

# 60

**YEAR  
ANNIVERSARY  
1966 – 2026**



**Innovating a Better Zambia through  
Consulting Engineering**



# Contents

## **4 FOREWORD**

## **6 ACEZ at 60 Celebration Programme**

## **9 Our Heritage and Legacy**

ACEZ Establishment

60 Year Timeline and Milestones

10 Years of Future Leaders

## **20 ACEZ Profile**

Consulting Engineers: Shaping Our World Today

Our Core Values

Bridging National Priorities with Global Standards

Bringing International Standards to Zambia

ACEZ Membership Profile

Engineering the Nation's Future

ACEZ Implementation Framework

Capacity Building and Professional Development

## **36 Present Day Showcase**

ACEZ Members' Impact in Action

## **45 Future Focused**

Looking Ahead: Challenges Shaping the Next Era of Consulting Engineering

The Future of Infrastructure

Investing in Tomorrow's Engineers

## **54 ACEZ Member Firms**

## **59 ACEZ Sole Practitioners**

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THE ASSOCIATION OF CONSULTING ENGINEERS OF ZAMBIA

# Celebrating 60 Years of Excellence

[www.acez.co.zm](http://www.acez.co.zm)

# FOREWORD

## President and Chief Executive Officer



**ACEZ President**  
*Eng. Tresphor Musenda*

Engineering isn't just calculations and drawings, it is how communities get clean water, safe roads, and buildings that last. The Association of Consulting of Zambia has since 1966 provided these services to both the Government, private businesses and individuals at large. Our members are highly professional firms and individuals that have designed and provided Project Management services on such iconic projects as the Knife Edge bridge in Livingstone, The Kazungula bridge in Southern province, Community infrastructure under the Output and Performance Based Contracts (OPRCs), various buildings including shopping malls, and water supply and sanitation schemes throughout the country. We have developed and shaped Zambia's Infrastructure development and provided timely and cost-effective solutions to our clients. Modern challenges and climate change have reminded us why that matters: crossing floods in rural districts, retrofitting schools, and rolling out solar micro-grids that actually stick because locals help run them.

This publication shares those stories, not as trophies but as lessons: what we guessed wrong, what worked at scale, and where communities pushed us to do better. If you're a client, a student, or a fellow engineer, I hope you'll read it as an invitation tell us what you'd try differently, and let's build the next solution together.



**Chief Executive Officer**  
*Chituwa Sinkala Chulu*

It is a great honour and privilege to serve as Chief Executive Officer of the Association of Consulting Engineers of Zambia (ACEZ) since 2014. Reaching this 60th Diamond Jubilee milestone fills me with immense pride and gratitude. For six decades, ACEZ has stood as a pillar of excellence, professionalism, and integrity in Zambia's engineering sector. This celebration is not only a reflection of our rich history, but a testament to the dedication, commitment, and passion of our members who continue to uphold the highest standards of consulting engineering.

As you turn the pages of this booklet, you will discover who we are, the journey we have travelled, and the bold vision that guides our future. Together, we remain committed to strengthening our profession, empowering our members, and contributing meaningfully to Zambia's sustainable development.

To all our members and partners, thank you for being part of this remarkable journey. The future of ACEZ is bright, and together, we will continue to build it.

# Congratulations from FIDIC on your 60<sup>th</sup> anniversary



**President, FIDIC**  
**Alfredo Ingletti**

On behalf of FIDIC, the International Federation of Consulting Engineers, I'm delighted to congratulate ACEZ, the Association of Consulting Engineers of Zambia, on its 60<sup>th</sup> anniversary as an organisation representing the industry in Zambia.

It is quite a significant achievement to have represented a leading industry sector for so long. Your milestone celebration marks six decades of ACEZ's contribution to national development through professional excellence, innovation and the delivery of sustainable infrastructure solutions.

Congratulations are certainly due to all those involved with ACEZ who have built and sustained your organisation for more than half a century. Just as FIDIC speaks on behalf of and advocates for the global consulting engineering sector, ACEZ speaks for the industry in Zambia and as you reach this 60th year milestone, I know that you will be reflecting on your significant achievements as you chart a forward-looking vision for the future of consulting engineering in Zambia.

FIDIC has member associations like ACEZ active in around 100 countries worldwide and we represent over one million engineering professionals and 40,000 firms globally. The buildings and infrastructure sector in which FIDIC members work contributes more than US\$36trillion to global GDP, so you can see that this is a very important business sector for our world.

ACEZ has been a member of FIDIC for many years and has played a key role in the development of our federation and I know that you are doing a great job on behalf of your members and professional engineers throughout Zambia who provide consulting engineering services in the planning, design and implementation of projects and public and private sector programmes in Zambia and internationally.

The progressive and pioneering approach and the skill and ingenuity of ACEZ's members has been a hallmark of your organisation's progress over six decades and I'm confident that it will continue well into the future.

Your ACEZ 60th anniversary celebrations demonstrate the enduring importance of the engineering, construction and infrastructure sector, not only to Zambia, but to the whole world. I congratulate you all on this significant achievement and also offer FIDIC's full support for the future as we continue to work together to shape a brighter and more sustainable future for our world.

Let's ensure that we engineer that brighter future, together!

*Alfredo Ingletti*



**ASSOCIATION OF CONSULTING ENGINEERS OF ZAMBIA  
DIAMOND JUBILEE MORNING PROGRAM 27<sup>th</sup> MARCH 2026  
AT THE MULUNGUSHI CONFERENCE CENTER KK wing**



## Programme

| Time                 | Proceedings                           | By Who  |
|----------------------|---------------------------------------|---|
| 09:00 – 09:30        | Guest of Honour Arrives               | Guest of Honour/ ACEZ Council/ CEO  |
| 09:30 – 09:35        | National Anthem                       | ALL   |
| 09:35 – 09:40        | Prayer                                | Eng. Joseph Nyirenda  |
| 09:40 – 09:45        | Welcome Remarks CEO                   | ACEZ CEO  |
| 09:45 – 10:00        | Entertainment                         | Entertainment   |
| 10:00 – 10:10        | Speech by the FIDIC Africa President  | Eng. Rizwan Qadri   |
| 10:10 – 10:20        | Who is ACEZ                           | Mainza Chipenzi   |
| <b>10:20 – 10:40</b> | <b>TEA BREAK</b>                      | <b>ALL</b>  |
| 10:40 – 10:45        | FIDIC President - Video speech        | Eng. Alfredo Ingletti   |
| 10:45 – 10:50        | ACEZ VIDEO                            | ACEZ President  |
| 10:50 – 11:30        | Fireside Chat – State of the industry | Eng. Misheck Daka   |
| 11:30 – 11:35        | EIZ President Remarks                 | Eng. Wyman Kaluba   |
| 11:35 – 11:45        | ACEZ President's Speech               | ACEZ President  |
| 11:45 – 12:00        | Speech by the Guest of Honour         | The Permanent Secretary from the Ministry of Infrastructure Housing and Urban Development (MIHUD) Prof. Albert Malama |
| 12:00 – 13:00        | Tour of Booths                        | ALL   |
| <b>13:00 – 14:00</b> | <b>LUNCH</b>                          | <b>ALL</b>  |



*Water! Today, Tomorrow*

## **BATOKA GORGE HYDRO-ELECTRIC SCHEME (BGHES): AT A GLANCE**

**T**he Batoka Gorge Hydro-Electric Scheme (BGHES) is a joint Zambia–Zimbabwe hydropower project being developed by the Zambezi River Authority on the Zambezi River, 47km downstream of Victoria Falls. With a planned capacity of about 2,400 megawatts, the project will significantly strengthen electricity supply, support economic growth, and enhance regional energy security.

A key distinguishing feature of BGHES is its underground design, with the powerhouse and major infrastructure located deep within the Batoka Gorge. This design minimises the project’s surface footprint, preserves the visual integrity of the gorge, and supports continued tourism and conservation activities linked to the Mosi-oa-Tunya / Victoria Falls World Heritage Site.

Designed with strong environmental and social safeguards, BGHES integrates heritage conservation, biodiversity protection, and community considerations, demonstrating how large-scale energy infrastructure can responsibly co-exist with a globally significant World Heritage property while advancing sustainable development.

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## Location

47 km downstream of the Victoria Falls  
Strategically designed to preserve  
the eco-system of the area.

## Attractive Returns

- Projected IRR of **12.31%** with long-term PPAs ensuring steady revenue.

### Project Details:



**Reservoir Capacity:** 1.38 billion cubic metres of water at Full Supply Level.



**Dam Type:** Roller-Compacted Concrete Arch Gravity.



**Spillway:** 11 radial gates with capacity of 20,000 m<sup>3</sup>/s for overflow management.



**Generation Capacity:** Estimated at 2,400 MW

### Project Benefits:



Conjunctive operations of dams:  
Proven climate change mitigation strategy.



Limited displacement: Reservoir will be fully contained within the gorge.



Increased access to clean and affordable energy.



### Political and Regional Support

Backed by Zambia and Zimbabwe; recognised as a priority under AUDA-NEPAD and PIDA; supported by long-term energy purchase commitments.



### Low Environmental Footprint

Reservoir confined to the gorge, with limited human displacement.



### Economic and Social Impact

6,000 direct and 4,000 indirect jobs; promotes regional development and improved livelihoods.



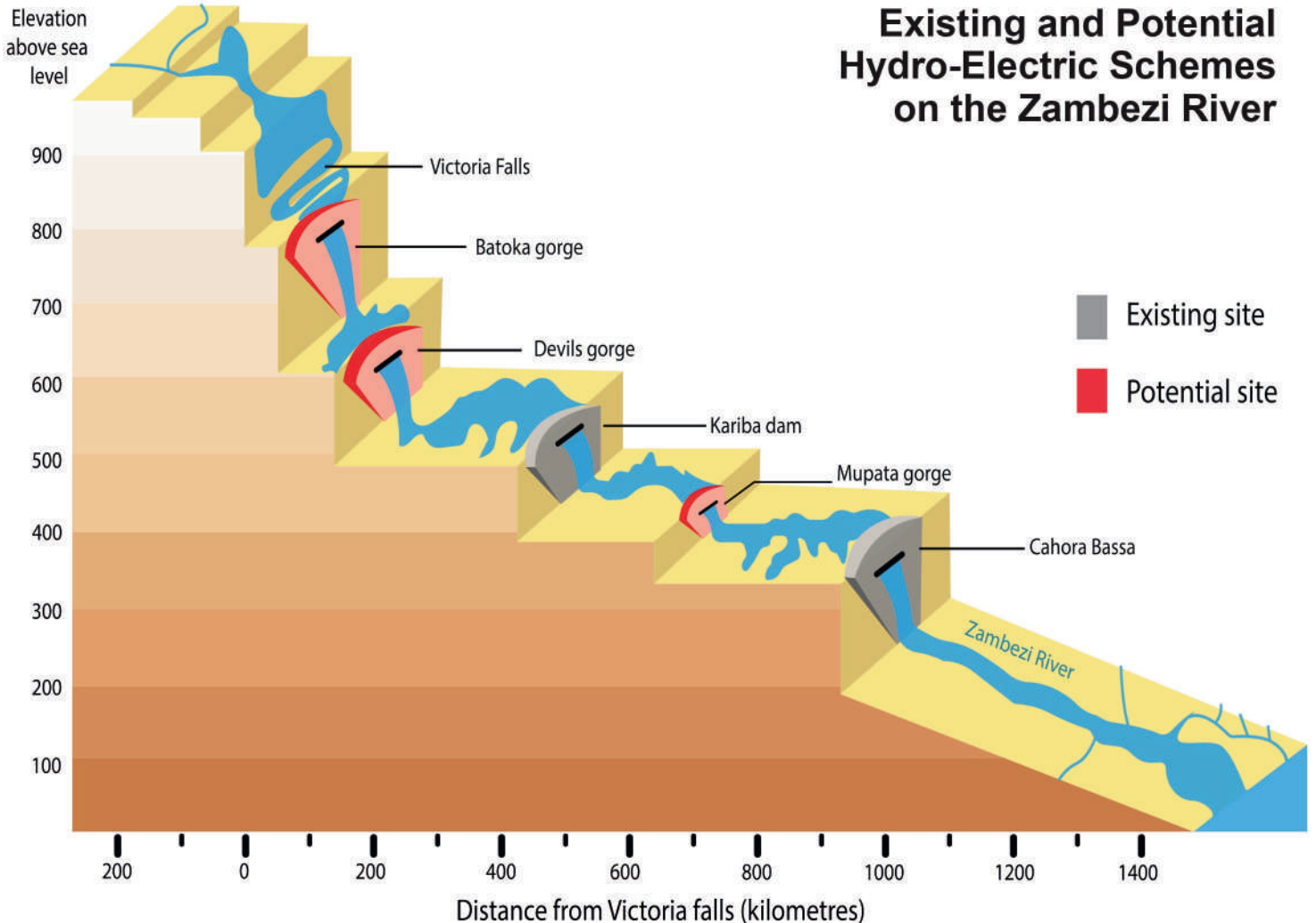
### Sustainability Credentials

Supports **SDG 7**: affordable, reliable, and sustainable energy for all.



### Strategic Location

Situated on the Zambezi River; central within the Southern African Power Pool for efficient market access.



# OUR HERITAGE AND LEGACY

# ACEZ Establishment

For 60 years, the Association has served as the collective voice of consulting engineering in Zambia, bringing together professional firms and practitioners committed to excellence, ethics, and national development. Since being established in 1966, ACEZ has played a fundamental role in uniting consulting engineers in Zambia to ensure quality, integrity, and professionalism in engineering consultancy services.

ACEZ, in the interest of all stakeholders supports its members to offer quality engineering consultancy services to both the public and private sectors in Zambia and internationally. The objectives of the Association are:

- ✓ To establish a standard for the conduct of Consulting Engineers in Zambia;
- ✓ To serve the public in matters connected with engineering consultancy;
- ✓ To promote the training and development of engineering personnel;
- ✓ To promote the advancement of the profession of Consulting Engineers;
- ✓ To promote the professional interests, rights and powers of Consulting Engineers.

The ultimate purpose of having an association was to unify consulting engineers' expertise for consultation and co-operation. The scope encompassed all engineering practice activities including providing a forum for Government, public institutions, industry, and trade representatives among others to interface with consulting engineers as a group, and ascertain their collective views.



*Est. 1966*

# 60-Year Timeline and Milestones

In the beginning, there were engineers with big ideas and very little office space. In 1966, the Association of Consulting Engineers of Zambia (ACEZ) was born, long before emails, PDFs, and the modern marvel known as Wi-Fi. It found its first home at the Professional Centre of Zambia on Chachacha Road, sharing corridors and coffee with fellow professional bodies. But as Zambia's professions grew, so did ACEZ. Like many ambitious engineers, it began to design its own future. The Secretariat packed its files and migrated from firm to firm, graciously hosted by members who believed in the vision. BCHOD, Ng'andu Consulting, Utilink and Zulu Burrow opened their doors and kept the Association's lights on until ACEZ was strong enough to stand on its own feet and occupy its own space.

Our vision is simple but bold: a Zambia with world-class infrastructure developed by Zambians. Our mission is equally clear: to promote the welfare and business interests of consulting engineers while enabling innovative, sustainable solutions that benefit society.

From borrowed desks on Chachacha Road to a respected professional voice, ACEZ has travelled far. Today it occupies a critical space in Zambia's development ensuring that the infrastructure shaping our future is not only built, but built wisely.

## ACEZ Leadership through the years

From the early leaders who built the foundation of our Association to those guiding it today, our presidents have shown vision, dedication, and resilience. Over the years, they have kept the Association relevant, responsive, and strong, leading members through changes while promoting professionalism and innovation. Their leadership reflects a long history of adaptability, foresight, and commitment to advancing the consulting engineering profession for the good of the nation.



**Eng. Andrew Kashita**



**Eng. Jowit Kaluwa**  
1989 – 1994



**Eng. Levi Zulu**  
1989 – 1994



**Eng. Luambe Mondoloka**  
2000 – 2002



**Eng. Renatus Mushingwe**  
2002 – 2005



**Eng. Henry Musonda**  
2006 – 2009



**Eng. George Sitali**  
2009 – 2011



**Eng. Patrick Kampengele**  
2011 – 2013



**Eng. Misheck Daka**  
2013 – 2014



**Eng. Charles Haanyika**  
2015 – 2016



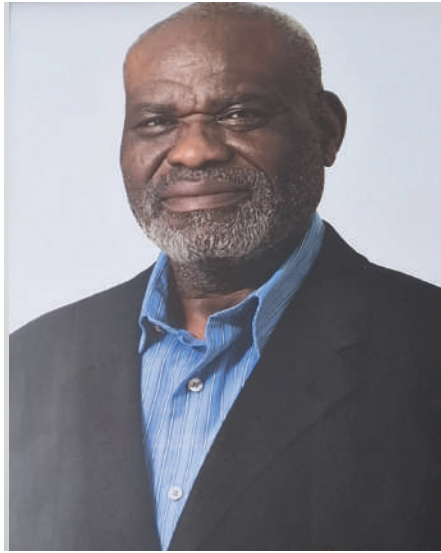
**Eng. Moses Nkhata**  
2017 – 2018



**Eng. Abel Ng'andu**  
2019 – 2021



**Eng. Andrew Ngosa**  
2021 - 2023



**Eng. Oliver Makungu**  
2023 - 2025



**Eng. Tresphor Musonda**  
2025 to date

## Landmark Initiatives Shaping Our Association

Over the years, each ACEZ leadership team has introduced initiatives that have left a lasting mark on the Association and the consulting engineering profession. These milestones reflect careful planning, creative approaches, and forward-thinking guidance that have, strengthened ACEZ's influence, and improved the support it provides to members and the country. By highlighting these achievements, we honour the vision and direction that have carried the association from its beginnings to its current role as a trusted leader in the sector.

### TIMELINE

> 1966



> 1970s



> 1980s



### ACHIEVEMENT

#### ESTABLISHMENT OF THE ASSOCIATION

ACEZ officially registered with the Registrar of Societies.

#### LOCAL CONTENT - LEADERSHIP

ACEZ elected the first Zambian President of the Association, Eng. Andrew Kashita.

#### INTERNATIONAL ACCREDITATION

ACEZ became a member of the International Federation of Consulting Engineers (FIDIC)

ACEZ joined the Group of African Member Associations (GAMA) a body representing the interests of the consulting engineering industry in the African region and supporting FIDIC activities at the national and regional level.

GAMA was later changed to FIDIC Africa



> 2012



#### **FIDIC GAMA CONFERENCE HOSTS**

ACEZ for the first time hosted the GAMA conference, Africa's major regional event of the consulting engineering industry in the continent. The conference explored the challenges with increased investment in African infrastructure

> 2015



#### **ACEZ SECRETARIAT HEADQUARTERS ESTABLISHED**

After years of members firms alternating the hosting of Secretariat, ACEZ was finally self-efficient enough to stand on its own feet and occupy its own space

> 2016



#### **STRATEGIC PLAN LAUNCH**

The Association launched its first Strategic plan, a four year plan for 2016 – 2020.

> 2017



#### **FIDIC CONTRACTS USERS CONFERENCE HOSTS**

ACEZ hosted for the first time the FIDIC Contracts Users conference, a 4-day learning, training and networking event designed for Professionals using FIDIC contracts in their daily work, regionally or internationally.

> 2023



#### **FIDIC MEMBER ASSOCIATION EXCELLENCE AWARD WINNER**

ACEZ won a FIDIC MA Excellence Award for 'Events and Conferences.'

> 2024



#### **FIRST ACEZ BUSINESS WORKSHOP**

ACEZ hosted the first ever Business Workshop which was designed is to cultivate a deeper understanding of industry trends and advancements, foster business growth and longevity, as well as provide a platform for networking with like-minded individuals

> 2025



#### **FIRST PUBLIC DISCUSSION FORUM**

ACEZ hosted its first Public Discussion Forum on Contract Administration, aimed at fostering open dialogue and knowledge exchange among professionals in the engineering and construction sectors.

Today, ACEZ is also connected to the global community of consulting engineers through FIDIC Africa and the International Federation of Consulting Engineers (FIDIC) which is the worldwide umbrella body for the profession. From Chachacha Road to the international stage, the journey has been both steady and remarkable.



# Supporting the Green Energy Transition with Zambia's first Green Bond

Sustainability is at the heart of everything we do, and as the pioneering issuer of Zambia's first Green Bond, we are leading the way in the generation and delivery of energy from green sources to Zambia and the Southern African region.

With the successful development of two Solar Photovoltaic (PV) Plants boasting a combined generation capacity of 94 megawatts (MW), we continue to push boundaries.

Driven by our ambition, we are scaling our Solar PV projects to generate 250 MW of solar energy by the end of 2025. This will allow us to achieve Net Zero status for both CEC Renewables and the CEC PLC Group, securing a greener future for all.

Choose a reliable partner, to power your industry with clean and sustainable energy.



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🌐 /copperbelt-energy-corporation-plc

CEC Renewables Limited ("CEC Renewables") is a subsidiary of the Copperbelt Energy Corporation (CEC) Group that is leading the Group's strategy of implementing clean and sustainable energy solutions, underpinned by the Global and Zambian green energy transition agenda in the generation and consumption of power from clean and renewable sources such as solar and wind.

# Celebrating 10 Years of Future-Proofing Infrastructure Development

ACEZ is also proudly celebrating a decade of empowering the next generation of consulting engineers. Over the past ten years, the Future Leaders program has grown from an ambitious vision into a dynamic platform for professional growth, innovation, and leadership. Through targeted initiatives, mentorship, and collaborative projects, we have empowered emerging professionals to take on real-world challenges, deliver meaningful impact across sectors, and contribute to the evolution of the profession. This milestone reflects the dedication, creativity, and achievements of all who have shaped the program, and sets the stage for continued growth and leadership in the years to come.

## History of ACEZ Future Leaders Group

The need for such a forum was identified at the FIDIC conference in 2013. Formerly called the Young Professionals Forum (YPF), the FLG was formed in order to uplift the industry where new ideas could be generated to assist, promote and identify possible problems that the industry may be facing with a view of providing solutions. The forum was also formed to enhance capacity building of Future Leaders and make a platform to create opportunities for knowledge sharing among the professionals and member firms.

Like many other countries, Zambia was not left out. An initial steering committee worked tirelessly in order to have YPF launched in Zambia. Zambia officially launched its forum on 18th March, 2016. As a member of FIDIC, ACEZ continued to incorporate local YPs in international activities and initiatives. In 2019, FIDIC changed the name from Young Professionals to Future Leaders to better reflect the, often senior, leadership roles many young professionals hold and to focus on developing the next generation of industry leaders, rather than just highlighting age. The FL Group includes consulting engineering professionals under the age of 40

## ACEZ Future Leaders Achievements Over the Years

### TIMELINE

> 2016



> 2019



### SIGNIFICANT MILESTONE

#### LAUNCH OF THE ACEZ YOUNG PROFESSIONALS FORUM (YPF)

Zambia launched the ACEZ Young Professionals Forum. The Forum was led by the ACEZ YPF Steering Committee

#### INTERNATIONAL LEADERSHIP REPRESENTATION

ACEZ YPF had representation on FIDIC GAMA Young Professionals Steering Committee – Harold Chibwe became Chairperson.

#### BUSINESS/ STRATEGIC PLAN FORMULATION

The first YPF Guidelines and Business Plan were formed

## TIMELINE

> 2020



> 2021



> 2022



> 2023



> 2024



> 2025



## SIGNIFICANT MILESTONE

### FROM YOUNG PROFESSIONAL TO FUTURE LEADER

ACEZ changed the name of the Young Professionals Forum into Future Leader Group (FLG) along with FIDIC. The group was now to be led by the Future Leaders Committee (FLC)

### FIRST GROUP NETWORKING SESSION

ACEZ FL first networking Mixer. This was the first time that Future Leaders congregated as a group, rather than just as a Committee.

### FIRST KNOWLEDGE SHARING SESSION

First ACEZ FL Symposium – a virtual session on Challenges Faced by Young Engineers in the Consulting Industry in Zambia and Possible Solutions

### FIRST FUTURE LEADER PUBLICATION

The ACEZ FL published the first edition of the periodic newsletter which was dedicated to promoting young consulting engineers in the industry.

### FUTURE LEADERS WIN FIRST FIDIC MEMBER ASSOCIATION EXCELLENCE AWARD FOR THE ASSOCIATION

ACEZ FL wins FIDIC Award for Best Publication or Website - First ACEZ FL Newsletter

### FIDIC AFRICA FUTURE LEADERS SYMPOSIUM HOSTS

ACEZ FL host FIDIC Africa Future Leaders Symposium at the FIDIC Africa Infrastructure Conference in Livingstone, Lusaka

### FIRST FUTURE LEADER SPECIFIC TRAINING SESSION

ACEZ FL hosts the first Consulting Engineering Business Seminar for Future Leaders

### FIRST CROSS PROFESSION COLLABORATIVE SESSION

ACEZ FLs host first built environment young professional collaborative workshop

# ACEZ Future Leaders Chairpersons over the Years



**Eng. Austin Vwaali**  
2016 -2017



**Eng. Harold Chibwe**  
2017 -2019



**Eng. Jairus Phiri**  
2019 -2021



**Eng. Mercy Tembo**  
2021 -2022



**Eng. Pauline Phiri**  
2022 - 2024



**Eng. Frank Mwangilwa**  
2024 - 2026

With six decades of achievements behind us and a new generation of skilled, driven professionals ready to lead, the future of our profession is brighter than ever.

<https://www.acez.co.zm/about-us/future-leaders/>



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# ACEZ PROFILE

# Consulting Engineers: Shaping Our World Today



## So, who exactly is a consulting engineer?

Think of them as the quiet visionaries of possibility. Consulting engineers are the technical advisors who guide governments and the private sector through feasibility studies, designs, environmental assessments, and project implementation. They ensure that bridges stand, roads drain, power flows, and buildings stay exactly where they were designed to stay, upright!

They work across civil, mechanical, electrical, and structural disciplines, safeguarding design integrity, quality, safety, and value. Much of their work happens behind the scenes. While the contractor gets the spotlight with cranes, yellow machines and concrete, the consulting engineer is often the one who made sure the spotlight had somewhere safe to stand.

## And why does every project need one?

Without consulting engineers, projects can quickly turn into very expensive lessons: undersized foundations, weak structures, flooded roads, blown budgets, endless delays, and sometimes even structural failures. In short, things engineers prefer not to explain at public inquiries.

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## ACEZ, Building the Nation Through Engineering

Because consulting engineers play a critical role in shaping society, ACEZ builds the nation by applying our expertise to plan, design, and deliver sustainable infrastructure solutions that address the country's key development challenges.

### OUR MISSION

ACEZ, in promoting its members interests, aims to facilitate the delivery of relevant, innovative, and sustainable engineering solutions in a dynamic environment, enhancing the quality of life in Zambia.

# OUR CORE VALUES

Eight core values form the bedrock of ACEZ's organisational culture, which guide the conduct of its secretariat and the general membership.

## TRANSPARENCY

ACEZ is dedicated to ensuring openness in its operations and communications, especially in service provision and stakeholder engagement by clear and timely sharing of information regarding project goals, timelines, outcomes, and challenges.

## ACCOUNTABILITY

ACEZ takes responsibility for its actions, decisions, and the services provided to both members and stakeholders through regular self-assessment, performance reviews, and honest communication regarding successes and areas needing improvement.

## ADAPTABILITY:

ACEZ remains flexible and responsive to changes in the engineering landscape, emerging technologies, and societal needs.

## INNOVATION

ACEZ encourages continuous improvement and creativity in service delivery by seeking new ways to enhance performance and efficiency.

## EQUITY

ACEZ is committed to providing equal access to engineering solutions for all clients and society, focusing on national and regional needs by ensuring that every stakeholder, regardless of gender, ethnicity or background, has an equal opportunity to benefit from our services.

## SUSTAINABILITY

ACEZ integrates sustainable practices into its service delivery, ensuring that engineering solutions contribute to long-term societal welfare.

## INTEGRITY

ACEZ operates with a commitment to honesty, reliability, and moral principles, ensuring that business practices and service delivery meet high standards of trustworthiness.

## ETHICS

ACEZ upholds the highest standards of professional conduct, ensuring that engineering services are provided responsibly, competently, and with respect for all involved.

# ESG REPORTING & SUSTAINABILITY ADVISORY

*Global Expertise. Local Insight. Sustainable Impact.*

## Our Key ESG Solutions for Mining & Construction Companies:

- Dual Materiality & Baseline Assessments
- GHG Emissions & Environmental Management
- ESG Strategy Development
- ESG Reporting & Disclosure Compliance
- Stakeholder Engagement & Community Impact

### Why Choose HLB Zambia

We combine global ESG expertise with strong local insight, offering mining and construction companies advisory support grounded in international standards and tailored to Zambia's context. With advanced technology driven ESG tools, we deliver accurate reporting, rigorous assessment, and practical solutions that strengthen sustainability performance and competitive positioning.

### GET IN TOUCH

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TOGETHER WE MAKE IT HAPPEN



# Bridging National Priorities with Global Standards



In order to ensure that high professional standards are maintained, ACEZ promotes best practices, ethical conduct, and compliance with regulations, thereby reinforcing the quality and integrity of the engineering profession in Zambia. ACEZ operates under numerous national policies, legal, and regulatory frameworks and instruments such as:

- The Engineering Institution of Zambia (EIZ) Act No. 17 of 2010
- Zambia Vision 2030: To be “a Prosperous Middle-Income Nation”
- The Eighth National Development Plan (8NDP) of Zambia:
- The Sustainable Development Goals (SDGs)

The engineering profession in Zambia is governed by the Engineering Institution of Zambia (EIZ) Act No. 17 of 2010. This Act establishes the EIZ with the mandate to promote and regulate engineering within the country. Specifically, according to clause 19(2)(c), the EIZ is responsible for registering engineering firms and their affiliates, allowing them to operate as consulting engineers in Zambia. ACEZ adheres to the EIZ Act No. 17 by ensuring that all members are duly registered and operate within the regulatory framework set forth by the Engineering Institution of Zambia. ACEZ actively collaborates with EIZ to uphold best practices, promote professional integrity, and ensure accountability across the engineering consultancy sector. This commitment reinforces ACEZ’s strategic objective of advancing a robust, compliant, and sustainable engineering environment in Zambia.

The EIZ Act No. 17 of 2010 requires that Consulting Engineers practicing in Zambia are registered with the Engineering Registration Board (EngRB) and be members of the Association of Consulting Engineers of Zambia (ACEZ). In accordance with the Act, only those consulting firms/companies that meet the above requirement should be engaged to provide engineering consultancy services. Registered Consulting Engineers are issued with a Registration Certificate by the EngRB and hold a Membership Certificate issued by ACEZ. It is for the best interest of the public that only registered Members of the Association of Consulting Engineers of Zambia are engaged in any engineering consultancy related work. Aligning ACEZ to these frameworks reinforces our strategic objective of advancing a compliant, and sustainable engineering environment in Zambia.

# Bringing International Standards to Zambia



While firmly anchored in national development, ACEZ is also aligned with international organisations that position the ACEZ within the global engineering industry. ACEZ is a proud member of the International Federation of Consulting Engineers (FIDIC), a trusted global representative body for national associations of consulting engineers, founded in 1913 and representing over 40,000 firms across 100+ countries.

FIDIC is a leader in global best practice in engineering and publishes international standard forms of contracts for works and for clients, consultants, sub-consultants, joint ventures and representatives, together with related materials such as standard pre-qualification forms. FIDIC also publishes business practice documents such as policy statements, position papers, guidelines, training manuals and training resource kits in the areas of management systems (quality management, risk management, business integrity management, environment management, sustainability) and business processes (consultant selection, quality-based selection, tendering, procurement, insurance, liability, technology transfer, capacity building).

ACEZ became a member of FIDIC in the 1980s which ignited Zambia's influence in the consulting engineering industry on a regional and global scale. As FIDIC continued to strengthen its position in the construction industry by expanding its global presence, ACEZ's influence grew along with it. FIDIC formed regional representative groups which are FIDIC Europe, FIDIC Asia Pacific, FIDIC Latin America, FIDIC North America and FIDIC Africa. ACEZ is a member of FIDIC Africa and continues to promote best practice in Africa by actively participating in FIDIC initiatives through FIDIC Africa.



## **KNIGHT PIÉSOLD ZAMBIA: ENGINEERING EXCELLENCE SUPPORTING ZAMBIA'S GROWTH**

Knight Piésold Zambia is a trusted engineering partner delivering high-quality, sustainable solutions tailored to the evolving needs of clients across the country. Backed by more than 100 years of global experience and a strong regional presence, the firm combines international expertise with deep local insight to support projects that drive Zambia's development.

For more than a century, we have maintained a strong focus on dam, river, and hydropower engineering. Our specialization encompasses the design and construction supervision of various dam and hydropower projects involving both run-of-river and conventional storage. In Zambia, our track record dates back to 1923 with the Mulungushi and Lunsemfwa hydropower schemes, followed by projects such as Lunzua (14.8 MW), Lusiwasi (15 MW), Musonda Falls (10 MW), and Victoria Falls B. We are currently involved in the proposed Mutinondo and Luchenene hydropower schemes.

At Knight Piésold, our mining expertise in Zambia includes research, design, and implementation of pioneering solutions for tailings storage facilities and related mine infrastructure. Notable projects include the stabilisation of TD3 following the 1970 Mufulira Mine disaster; the ongoing buttressing of TD11, also at Mufulira Mine; and the supervision of construction for the Malundwe Pit Diversion Channel at Lumwana Mine.

Knight Piésold Zambia also specialises in infrastructure projects, with experience across diverse construction environments for roads and structural engineering in building and industrial applications. Our projects include the Lumwana Mine airstrip and Zambeef's Mpongwe Farm flour milling plant.



As a proud member of the Association of Consulting Engineers of Zambia, Knight Piésold Zambia is committed to building strong, long-term partnerships and working closely with clients to transform ideas into practical, lasting solutions. Through a collaborative approach and strong technical expertise, we continue to support sustainable progress across Zambia's infrastructure, energy and mining sectors, contributing to the country's long-term development through responsible and innovative engineering.

-Patrick Kampengele  
Chairman: Knight Piésold Zambia

### **GET IN TOUCH:**

**Office Tel:** +260 212 228 466

**Email:** zambia@knightpiesold.com

**Address:** 24 Enos Chomba Avenue Kitwe, Zambia

[www.knightpiesold.com](http://www.knightpiesold.com)



# ACEZ Membership Profile



Our membership includes a wide spectrum of consulting practices, ensuring the ability to address projects of varying scale and complexity. These include:

- ⚙️ **Local consulting firms** providing deep understanding of national regulatory, environmental, and socio-economic contexts.
- ⚙️ **Regional and internationally affiliated firms** bringing global experience and exposure to international standards and best practices.
- ⚙️ **Multidisciplinary consulting firms** offering integrated solutions across several engineering and infrastructure sectors.
- ⚙️ **Specialised niche consultants** focusing on targeted technical areas and highly specialised services.

Together, these firms create a collaborative ecosystem capable of delivering both locally grounded and globally informed engineering solutions.

## Engineering Disciplines Represented

ACEZ Members collectively represent a wide range of engineering and built-environment disciplines, enabling comprehensive and multidisciplinary project delivery.

Core Disciplines represented include:

- ⚙️ Civil Engineering
- ⚙️ Mechanical Engineering
- ⚙️ Electrical / Electronics Engineering
- ⚙️ Environmental Engineering
- ⚙️ Agricultural Engineering
- ⚙️ Mining Engineering
- ⚙️ Chemical Engineering

As members specialise in their respective core fields, ACEZ also includes derivatives of these core disciplines. This breadth of expertise allows member firms to collaborate across disciplines and provide integrated technical solutions throughout the infrastructure development lifecycle.

# Multi-Sector Infrastructure Expertise

Our member firms and professionals contribute to infrastructure development across a wide range of sectors critical to economic growth and sustainable development. Some of the sectors (not exhausted) include:

-  **Transportation Infrastructure** (Roads, Bridges and Structures, Railways, Airports and Aviation, Inland Water Transport, Traffic Engineering and Transport Planning)
-  **Water Supply and Sanitation** (Water Supply Systems, Sanitation and Sewerage Systems, Wastewater Treatment, Stormwater and Drainage Systems, Irrigation Infrastructure, Water Resource Management, Dam and Reservoir Development)
-  **Energy and Power** (Power Generation (Hydropower, Transmission and Distribution Networks, Renewable Energy, Energy Efficiency and Energy Management, Power System Planning)
-  **Buildings and Urban Development** (Commercial and Residential Buildings, Institutional Buildings (schools, hospitals, government facilities), Industrial Facilities, Urban Infrastructure and City Development)
-  **Mining and Industrial Infrastructure** (Mining Infrastructure, Tailings Dams, Industrial Plants and Manufacturing Facilities, Industrial Utilities)
-  **Environmental and Sustainability** (Environmental Impact Assessment (EIA), Climate Resilience and Adaptation, Environmental Management and Compliance. Waste Management Systems, Natural Resource Management, Green Infrastructure)
-  **Agriculture and Rural Development** (Irrigation Systems, Agricultural Infrastructure, Rural Water Supply, Land Development)
-  **Telecommunications and Digital Infrastructure** (Telecommunications Networks, Data Centres, Digital Connectivity Infrastructure)
-  **Public Infrastructure and Social Services** (Healthcare Infrastructure, Education Facilities, Community Infrastructure, Public Facilities and Government Infrastructure)
-  **Disaster Risk and Resilience** (Flood Control Infrastructure, Disaster Risk Reduction Infrastructure, Climate Adaptation Infrastructure)

## Professional Services Offered

- Project feasibility studies
- Engineering design and technical advisory services
- Project management and construction supervision
- Contract Management
- Infrastructure planning and development consulting
- Geotechnical and Hydrogeological Services
- Environmental and sustainability advisory services
- Technical Audits
- Alternative Dispute Resolution Services
- Engineering capacity building

**Together, these services position our member firms as trusted partners in delivering innovative, efficient, and sustainable infrastructure solutions.**

**Plot 41, Mulungushi Road, Roma  
P.O. Box 31943, Lusaka, Zambia**

*Offices also in Zimbabwe and Botswana*



**BCHOD**  
CONSULTING ENGINEERS

**Brian Colquhoun Hugh O'Donnell and Partners**

**TEL:** +260 211 228460/61

**FAX:** +260 211 226520 • +260 211 220829

**E-MAIL:** [hq@bchodzam.com.zm](mailto:hq@bchodzam.com.zm) • **Website:** [www.bchodzam.com](http://www.bchodzam.com)

**BCHOD Consulting Engineers provides engineering services that are specialised but independent, and professional. These are tailor made solutions that meet the advice, design, and project management service requirements of clients in both public and private sectors.**

- **Civil:** Design and construction of infrastructure such as roads, bridges, buildings, and water systems. BCHOD has qualified, extensively experienced, competent and licensed civil engineering professionals who are always delivering reliable engineering solutions across a wide range of projects. The civil engineering consulting services provided are built upon and founded on well proven engineering standards and realistic and well gained knowledge of Zambia and the sub-region. Our clients have benefited because they have been provided with outcomes that are safe, robust, compliant and cost-effective. The services offered are sound, practical and fit for purpose, from feasibility through to detailed design and construction support; and even post construction and to entire design life.
- **Structural:** Our structural engineering team has vast knowledge, experience and proficiencies of working on residential, commercial, industrial, and mining and resources projects of all extents. The team provides robust, state of the art and fit-for-use solutions tailored to meet the needs of our clients, inclusive of engineering designs, full documentation and detailed building and construction inspections.
- **Geotechnical:** The geotechnical engineering team of Geologists, Hydrogeologists and Geotechnical experts provide full range of geotechnical engineering capability, from desk study through field investigation, reporting and geotechnical interpretation, stability analysis, foundation assessment, design and supervision.
- **Electrical and Mechanical:** The team provides systems and solutions that ensure installation and maintenance of electrical systems, machinery and mechanical equipment is sound and real usable nature.
- **Environmental, Health and Safety:** Ensuring that projects protect the environment and maintain safe, healthy working conditions is the mainstay of this robust team.
- **Geomatic:** This team has professional surveying and geospatial experts who specialise in delivering accurate, reliable and cost-effective land, engineering, and hydrographic survey solutions. They support individual land owners, real estate developers, government agencies, engineers, architects and utility companies as well as in-house projects that require reliable and trusted geospatial data.

#### **VISION**

To be the leader in provision of user-friendly, innovative, appropriate, trustworthy and dependable robust solutions in infrastructure developments that are time and cost effective qualitative services.



#### **MISSION**

Being an all round integrated engineering consulting firm that easily adapts and responds to change in technology and environment, and to be in a position to sustain the promise to deliver excellent services to our clientele through unequalled competency levels and focusing on core values and needs



#### **CORE VALUES**

Integrity, Discipline, Quality Service and Technical Excellence, Professional and Accountability

**INTEGRATED ENGINEERING CONSULTANCY, ENVIRONMENTAL IMPACT ASSESSMENTS, IT CONSULTANCY  
& PROJECT MANAGEMENT**

# Engineering the Nation's Future

As Zambia continues to face infrastructural, environmental, and economic challenges, ACEZ is committed to leveraging the expertise of its members to advance national goals and support sustainable development in alignment with international engineering standards. ACEZ proudly unveiled its Strategic Plan 2025–2029, a roadmap designed to show the Association's commitment to advancing Zambia's engineering sector through the promotion of professionalism, innovation, sustainable practices and principles that are essential for the continued growth and development of our nation.

As a consulting engineering business membership association, ACEZ's approach to address both the immediate and long-term needs of Zambia's engineering sector is to ensure that the members remain a proactive force in the nation's development landscape. This is structured around four key strategic directions

- Facilitating business opportunities for ACEZ members to access more diverse and profitable projects.
- Strengthening the Performance Framework for Delivery of Quality Services and Works
- Influencing public policy development in favour of the engineering sector
- Enhancing the operational capacity of ACEZ to execute its mandate effectively

The core focus is to empower local engineering firms, thus enabling them to play a more active role in Zambia's infrastructure projects and contributing to economic diversification.

## Understanding Those Who Shape Our Impact

Collaborative engagement with a wide array of stakeholders will be central to ACEZ's strategy. The strategic plan identifies key stakeholders and their roles, and outlines the strategic issues and objectives to address them. These stakeholders include Government and regulatory bodies, international engineering associations, private sector and business entities, academia and research institutions, civil society and community groups and professional associations and internal stakeholders. Through these partnerships, ACEZ aims to enhance knowledge exchange, foster capacity building, and promote industry standards that will benefit the engineering profession and contribute to sustainable development across all sectors.

### Why it matters

As a consulting engineering business membership association, the sustainable growth and profitability of member firms is vital. This is directly linked to driving Zambia's socio-economic progress through high-quality engineering consultancy services and innovative practices that align with global standards. ACEZ intends to achieve this by:

- Implementing innovative engineering practices,
- Forming strategic partnerships with key stakeholders,
- Ensuring quality and sustainability,
- Leveraging on cutting-edge technologies,
- Addressing critical infrastructure needs,
- Contributing to economic growth and promote quality of life,
- Engaging in capacity building and knowledge sharing,
- Advocating for policies that promote a progressive economy

# ACEZ Implementation Framework

To effectively implement the four-year strategic plan, the Association will have strong leadership and management support as well as an implementation framework for activity monitoring and evaluation and risk analysis. The implementation process will be monitored continuously by strategically formulated ACEZ Council Committees that will track the effectiveness of activities, projects, and programs.

## ACEZ Council Committees

| Committee                         | Core Function   |
|-----------------------------------|---|
| <b>Finance and Administration</b> | Financial Resource Mobilisation and Accountability and enhancing the operational capacity of the ACEZ Secretariat   |
| <b>Ethics and Integrity</b>       | Compliance to existing regulations and adhering to highest Engineering Standards  |
| <b>Membership and Compliance</b>  | Ensures that all members meet professional and regulatory standards, safeguarding quality, accountability, and the credibility of services delivered by the association's consulting engineers. |
| <b>Business and Advocacy</b>      | Creation of business opportunities for members  |
| <b>Capacity Development</b>       | Enhancing the capacity of ACEZ to influence policy direction through participation  |
| <b>Research and Development</b>   | Enhancing the capacity of ACEZ to influence policy direction and relevant solution finding through participation  |
| <b>Future Leaders</b>             | Developing emerging professionals to ensure the sustainable growth and resilience of the consulting engineering profession.   |

The success of this plan hinges on collaboration. ACEZ calls on all stakeholders, government, members, and partners, to unite in transforming Zambia's engineering sector into a global benchmark for innovation, inclusivity, and sustainability.

# Capacity Building & Professional Development

ACEZ offers training programmes designed to strengthen the skills, knowledge, and leadership capacity of engineers and professionals in the built environment with practical, industry-tested knowledge that enhances performance and compliance.

Additionally, our knowledge-sharing platforms and forums create opportunities for members to exchange ideas, discuss industry trends, and learn from peers and experts. These initiatives ensure that members remain current with evolving standards, innovative practices, and regulatory requirements, reinforcing the delivery of high-quality, sustainable, and professional services across the consulting engineering sector.

## Our Approach to Developing Expertise

ACEZ bridges the gap between industry standards and practical knowledge. Our programmes are made from real project experience, ensuring participants gain skills that drive better outcomes in infrastructure development through:

- Professional training courses
- Knowledge-sharing forums and dialogue sessions
- Advisory support to the public and private sectors

Our interactive training approach ensures participants leave with techniques, templates, and strategies ready for immediate use in their ongoing assignments. We ensure that they are:

- Delivered by industry experts and seasoned practitioners
- Designed to meet real industry challenges
- Interactive and practical so that you can apply your learning right away.
- Course outlines combine theory, case studies & practical exercises

### Paths to Professional Growth

**Open Training Programmes** - For individuals and companies who want to upskill through our scheduled, public sessions.

**In-house Training Programmes** - All of our advertised courses are also available in-house. We can bring any of our open courses to you and tailor the content to match your specific organisational skills needs.

**Bespoke Training** - Training courses designed and created specifically to meet the unique needs, goals, and skill gaps of a particular organization.

### The following courses are some, among many of the professional development opportunities we offer:

- Contract Management
- Measurement and Estimation of Construction Work
- Monitoring and Evaluation of Built Environment Infrastructure Projects
- Project Feasibility Studies
- Costing and Budgeting (For Buildings, Water Projects and Road Works)
- Public Procurement Fundamentals
- Principles of Structural Engineering Design
- Construction Claims Management
- FIDIC Contracts Courses
- Road Safety Audits

As a member FIDIC, and FIDIC Africa, ACEZ is committed to upholding and promoting global standards in consulting engineering and infrastructure delivery. Through our partnership with FIDIC, we offer authorised training courses and official FIDIC publications that equip professionals with world-class knowledge in contract administration, project delivery, and consultancy best practices. Our FIDIC-accredited training programmes are designed to help participants understand, interpret, and apply the principles of the FIDIC suite of contracts in real project contexts. We have FIDIC certified trainers with vast industry experience that conduct both open and in-house FIDIC training. Some modules covered include:

**FIDIC Contracts Introductory Course** - a foundational introduction to the FIDIC Suite of Contracts, offering insight into their structure, application, and guiding principles

**FIDIC Contract Management and Administration Course** - an intermediate-level training that equips infrastructure professionals with essential expertise in administering major FIDIC contracts (Red and Yellow Books).

**FIDIC Client/ Consultant Model Service Agreements Course – White Book** - this course focuses on contract clauses and the practical use of the White Book for FIDIC contract users who want to deepen their understanding of FIDIC agreements.

**FIDIC Short Form of Contract Course – Green Book** - this course provides a practical introduction to the FIDIC Green Book, designed for projects with lower risk profiles and minimal contract administration requirements

**FIDIC Claims and Disputes Course** - an intermediate-level course that dives into the principles, processes, and practical management of claims and disputes across FIDIC contracts.

## FIDIC Publications

ACEZ is a distributor of FIDIC publications in Zambia. Our selection includes the latest editions of the standard forms of contract, guides, and manuals used worldwide in consulting engineering and infrastructure projects.

### Get Your FIDIC Books Today

A wide selection of FIDIC publications are available through ACEZ. They are available in hardcopy and eBook editions, covering the full suite of FIDIC contracts, guides, and best practice manuals.

[Contact Us for a Quote](#)



# Building Skills and Sharing Knowledge Through Engagement

ACEZ organises public, interactive initiatives that bring professionals together to collaborate, exchange ideas, and develop practical solutions to real-world challenges. Through these programmes, members engage in meaningful dialogue, learn from diverse perspectives, and strengthen their capacity to tackle complex projects, fostering a culture of innovation, and teamwork.

## Public Discussion Forums

Our public discussion forums are organised to highlight key challenges facing the consulting engineering industry and bring together practitioners, academia, government, and the public for meaningful engagement. Guided by our seasoned members, these forums foster open dialogue, allowing experienced professionals to lead conversations and explore practical solutions that address pressing industry issues while promoting collaboration and knowledge-sharing across all stakeholders.

## Integrated Solutions Workshops

ACEZ organises practical problem-solving events that bring together professionals from multiple disciplines to tackle real community challenges, combining diverse expertise to create practical, implementable solutions with tangible impact.



# ENGINEERING THE FUTURE, BUILDING THE NATION



## ABOUT US

At Bari Zambia Limited, we pride ourselves on delivering world-class engineering solutions that transform landscapes and empower communities. Our multidisciplinary approach ensures precision in every bridge, road, and industrial project we undertake. We remain committed to upholding the highest standards of professional integrity while building the resilient infrastructure necessary for Zambia's sustainable growth.



## OUR EXPERTISE

- Bridge Engineering
- Road Engineering
- Building Structures & Services
- Project Management & Supervision
- Geotechnical Investigations
- Water Supply & Waste Management

Bari Crossroads House, Woodlands,  
Lusaka, Zambia  
+260 211 237652 |  
[inquiries@barizambia.com](mailto:inquiries@barizambia.com)  
[www.barizambia.com](http://www.barizambia.com)

# **PRESENT DAY SHOWCASE**

# ACEZ Members' Impact in Action

Our members have played a pivotal role in designing, delivering, and maintaining key infrastructure across the country. From roads and bridges to energy systems and water networks, these projects reflect the expertise, innovation, and commitment that consulting engineers bring to national development. By highlighting these significant achievements, we showcase not only the scale and complexity of the work undertaken by our members, but also the lasting impact on communities, industries, and the nation as a whole.

## Flagship Projects and Initiatives

### KAZUNGULA BRIDGE PROJECT, KAZUNGULA



The Kazungula Bridge Project is a landmark cross-border infrastructure initiative jointly led by Zambia and Botswana, supported by international consultants and contractors, successfully completed in 2020 with strong safety records and significant local employment

**ACEZ Firm Showcased:** Zulu Burrow Consulting Limited

#### **Kazungula Bridge Project Summary**

**Date of Project:** December 2014 to September 2020

#### **Implementing Parties:**

**Employer:** Kazungula Bridge Project Office (Road Development Agency – Zambia & Ministry of Transport & Communications – Botswana)

**Engineer:** Kazungula Bridge Consultants – Joint Venture (Zulu Burrow Consulting Ltd, CPP Botswana, Bothakga Burrow, Gibb Engineering, Chodai Co. Ltd, Nippon Koei)

#### **Contractors:**

Package 1-Bridge: Daewoo Engineering & Construction Co. Ltd

Package 2 Botswana OSBP: Zhong Gang Engineering (Pty) Ltd

Package 3- Zambia OSBP: Anhui Foreign Economic Construction Group Co. Ltd



### **Impact Project Had on Society:**

The Project had impact on Zambia and SADC at large on the Kazungula Border Post. This impacted is summarised as follows

Facilitated trade through;

*Reduced Transit Time for freight & passengers*

*Reduced Time-based trade & transport cost*

*Improved Border management operations arising from the new One Stop Border Facilities*

Contributed to boosting of the regional economy through:

*Increased Traffic throughput along the North South Corridor;*

*Increased Global competitiveness of goods from Zambia & Botswana due to reduced time-based trade & transport cost;*

*Reduction of transit time from three days to less than half a day and*

*Increased economic activity in Kazungula on both side of the Zambezi River*

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### **KATIMA MULILO BORDER POST, WESTERN PROVINCE**



Katima Mulilo Border is the one and only border post between Namibia and Zambia lying along the Trans Caprivi Corridor. Zambia is a landlocked Country and having a smooth border is vital for our exports and import to and from the rest of world.

**ACEZ Firm Showcased:** Kiran and Musonda Associates Private Limited

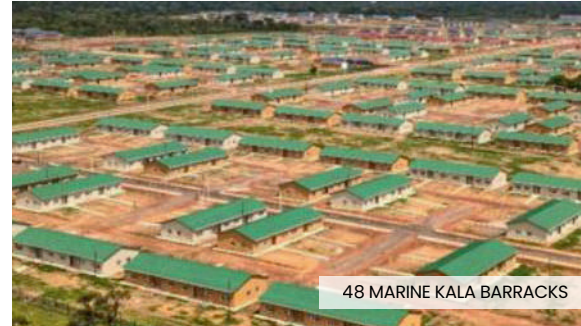
**Nature of Services:** Design & Construction of Katima Mulilo Border Post

**Date Of Project:** 2003 -2006

### **Impact The Project Had on Society:**

A smooth border post is crucial for economic integration, as it streamlines the movement of goods and people by harmonizing procedures and eliminating duplicate checks, which reduces costs and time delays. The border post facilitates regional cooperation, enhances trade, promotes economic growth, and strengthens relationships between the neighbouring countries.

## Civil & Structural Engineering Consultants



**Civilink Engineering Designers Limited is a Multi Discipline Engineering firm conducting business in Zambia since the year 2012.**

The firm seeks to promote national economic growth within the engineering services sector by providing professional and efficient services in every project we undertake. We have a competent team of highly trained and skilled Engineers with varying experience in Zambia and the sub region with some totalling over 25 years of practical experience.

### Our Services

- Civil & structural engineering design
- Highway Engineering
- Water and Sanitation Engineering
- Hydraulic design and Engineering
- Surveying services
- Project management

### Contact Us



5675 Kafulafuta Close, Kalundu.  
P.O. Box 38902, Lusaka



**Phone:** +260 211 231 275/+260 977 771 065



**E-mail:** info@civilinkeng.com

## KAFUE HOOK BRIDGE PROJECT, MONGU ROAD



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The Kafue Hook Bridge is the sole linkage between the Western Province and the rest of the country. The bridge is crucial for improving road connectivity, enhancing trade, and supporting economic growth by linking Lusaka, Central, and Western Provinces.

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**ACEZ Firm Showcased:** Kiran and Musonda Associates Private Limited

**Nature of Services:** Design and Construction Supervision of Rehabilitation of the Kafue Hook Bridge, across Kafue River, along Lusaka Mongu Road.

**Date Of Project:** 2015 – 2023

### **Impact The Project Had on Society:**

Roads and Bridges are fundamental for the movement of people and goods, lowering logistical costs, attracting investment, and stimulating economic activity across sectors like agriculture, manufacturing, trade, and tourism. The Kafue Hook Bridge is a vital artery for the movement of goods and services, particularly for the agricultural sector in the region. The bridge is also significant for tourism, connecting major urban centres to attractions within the Kafue National Park.

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## SIMON MWANSA KAPWEPWE INTERNATIONAL AIRPORT, NDOLA



**ACEZ Firm Showcased:** Bari Zambia Limited

**Nature of Services:** Consultancy Services for Contract Management of the Design and Construction of New Airport Infrastructure (Green Field)

**Date Of Project:** 2018 – 2021



**Date Of Project:** 2018 – 2021

**Impact Project Had on Society:**

The new Simon Mwansa Kapwepwe International Airport in Ndola boosted regional connectivity, spurred tourism and trade, created over 4,500 jobs during construction, and anchored the Copperbelt in Zambia’s aviation and industrial strategy—delivering a modern gateway for both people and cargo

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**LEVI MWANAWASA UNIVERSITY TEACHING HOSPITAL**



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The Levi Mwanawasa University Teaching Hospital functions as a University Teaching Hospital within a catchment area of eight (08) districts in Zambia. These are Chilanga, Chirundu, Chongwe, Kafue, Luangwa, Lusaka, Rufunsa and Shibuyunji.

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**ACEZ Firm Showcased:** North Atlantic Engineering Consultants

**Date Of Project:** 2016

**Impact Project Had on Society:**

Contributing to raising health workers in Zambia, and health of the nation



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**CENTRE FOR INFECTIOUS DISEASE RESEARCH IN ZAMBIA (CIDRZ) NEW HEAD OFFICE**



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With support from funders and partners, CIDRZ supports quality healthcare services through research

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**ACEZ Firm Showcased:** North Atlantic Engineering Consultants

**Date Of Project:** 2024

**Impact Project Had on Society:** More efficient control of Infectious Disease

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### **NDOLA ENERGY 50 MW POWER PLANT, NDOLA**



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The Ndola Energy 50 MW Power Plant is a power generation facility in Ndola, Copperbelt Province, contributing critical baseload capacity to Zambia's national grid.

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**ACEZ Firm Showcased:** Civilstruts Consulting Engineers

**Nature of Services:** CCE provided structural and civil engineering design and project management services across multiple buildings and infrastructure elements within the plant.

**Impact on Society:**

The structural and civil scope spanned the full plant footprint, encompassing both process-critical structures and ancillary facilities. All primary buildings are steel-framed or RC framed, designed to support industrial loading standards with provisions for heavy plant, vibration, and process loads.

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### **NIPA AUDITORIUM & LIBRARY, LUSAKA**



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The National Institute of Public Administration (NIPA) Auditorium is a purpose-built large-span assembly and conference facility on the NIPA campus in Lusaka. CCE provided structural and civil engineering design and supervision services for this institutional development.

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**ACEZ Firm Showcased:** Civilstruts Consulting Engineers

**Nature of services:** The auditorium is a large-span RC and structural steel hybrid structure. Civil works included paved forecourt areas and drainage.

## ENERGY FORUM FOR AFRICA (EFFA), ZAMBIA



The Energy Forum for Africa (EFFA) is an influential and dynamic platform dedicated to empowering sustainable energy solutions for Africa's future.

**ACEZ Firm Showcased:** Mimshach Engineering Consultants - Eng. Hope Chanda, Founder & CEO  
Date of Project: 14<sup>th</sup> to 16<sup>th</sup> August 2024 and 10<sup>th</sup> to 12<sup>th</sup> September 2025

### **Impact Project Had on Society:**

Zambia's energy sector has been facing significant challenges, mainly due to its heavy reliance on hydroelectric power and unpredictable climate changes, especially droughts. EFFA sounded the alarm, calling for urgent action to tackle Zambia's and Africa's energy challenges while exploring sustainable solutions for the future. EFFA provided a platform to streamline communication and foster collaborations among key stakeholders, including developers, investors, financial institutions, energy traders, and capital market experts the event, underscoring the significance of the energy sector for economic growth

**“ Consulting engineers are the quiet force behind progress — turning vision into reality, ideas into infrastructure, and today's challenges into tomorrow's foundations.”**



# CONSULTANCY AND ENGINEERING SERVICES

## Changing lives, Transforming communities



Dichem Consultancy and Engineering Services is a multidisciplinary Engineering organization founded in 2015 and has its headquarters in Lusaka, Zambia.

### Our Services

The company provides integrated consultancy services in construction environmental and energy sectors. Dichem among other services such as:

- Environmental Impact Assessments
- Waste Management
- Civil Engineering works
- Electrical & Telecommunications installations
- Portable toilet hire

The company in its charter is committed to promoting sustainable development in contributing to infrastructure development in our communities. This is done by complying with internationally accepted Accreditations. Dichem focuses on delivering innovative, practical, and reliable solutions that protect ecosystems and support the health and safety of communities.



### Strength Through the Years. Growth for the Future.

Dichem has demonstrated resilience and steady growth, achieving approximately 35% growth in the past few years while expanding its workforce.

The company attributes its success to a team of skilled professionals, strong client partnerships, and a commitment to delivering projects on time, within budget, and to high quality standards. Guided by values such as integrity, safety, quality, excellence, and customer commitment, Dichem maintains a strong Safety, Health, and Environment (SHE) policy that promotes safe work practices and a culture of responsibility across all operations. Through its diverse services, experienced team, dedication to environmental sustainability and professional excellence, Dichem Consultancy and Engineering Services continues to contribute to responsible development and infrastructure growth in Zambia.



Chilenje market commissioning



Eng. Sharon Musonda MD



Environmental consultancy

## Touching Lives. Transforming Communities

# **FUTURE FOCUSED**

# Looking Ahead: Challenges Shaping the Next Era of Consulting Engineering

As the consulting engineering profession continues to evolve, it must remain responsive to emerging challenges that influence how infrastructure is planned, financed, delivered, and maintained. For the Association to remain relevant and impactful, it is important to recognize these issues and actively contribute to solutions that strengthen the profession and support national development. By addressing these challenges proactively, we position our members to lead conversations, influence policy, and improve the quality and sustainability of infrastructure development.

## Innovation and Technological Advancement

The pace of technological change requires consulting engineers to continuously adopt new tools, approaches, and digital solutions. However, innovation adoption within the industry can sometimes lag behind global trends. One of the ways ACEZ has endeavoured to address this, is to partner with innovation ecosystems, including signing a Memorandum of Understanding with BongoHIVE Consult, a leading innovation and technology hub in Zambia, established as a catalyst for entrepreneurship and technological advancement across the region. The core purpose was to leverage on their expertise to create technology and innovation programmes that are relative to engineers. Through such partnerships, members can explore digital solutions, smart infrastructure concepts, and new engineering approaches that improve efficiency and sustainability.



## Policy Direction towards Local Content

There is an increasing need for policy frameworks that support local expertise, strengthen local consulting firms, and encourage meaningful participation of national professionals in project development. ACEZ will actively advocate for policies that favour local technical representation within government bodies, procurement entities and the public and private sectors to ensure that consulting engineers participate in decision-making processes required for infrastructure development. By positioning itself as a trusted advisor and listening partner, the Association can contribute professional insights that support effective and sustainable national infrastructure strategies.

# Infrastructure Financing Models

Large-scale infrastructure development requires innovative and sustainable financing mechanisms. The traditional funding models of debt financing has proven to be cumbersome on the government and as engineers, ACEZ is stepping up to the challenge to identify alternative funding sources with equitable risk sharing. The Association will continue to contribute by supporting the development of viable financing models, providing technical input into project structuring, and ensuring that projects are designed to attract investment while remaining technically sound and economically viable. ACEZ began capacity building in this knowledge area by offering training in the Public Private Partnership financing models for small- and large-scale projects. Additionally, through our flagship ACEZ Business Workshop, the Association also fosters investment in infrastructure development and exposing members and the public to various financing models

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## Contract Administration

Effective contract administration is essential to ensure that infrastructure projects are delivered according to agreed standards, timelines, and budgets. Key challenges faced in industry are delays, cost overruns and unbalanced contracts which at times lead to disputes. ACEZ's highly subscribed Contract Management course provides practical tools and insights that address the misinterpretation of key contract clauses, weak contract administration, delayed or incorrect certification of works, poorly managed claims, and unresolved compensation events continue to undermine project outcomes. ACEZ will continue to build capacity in contract administration to ensure proper contract oversight, fair administration of agreements, and adherence to professional and technical standards throughout the project lifecycle.

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## Feasibility Studies and Early Involvement of Consultants

Successful infrastructure projects begin with strong planning and thorough feasibility studies. A major issue in local infrastructure development is projects commencing without feasibility study, or sometimes unavailable designs. Involving consultants at the earliest stages allows for better project preparation, improved design outcomes, and reduced implementation risks. ACEZ will continue to advocate for consulting engineers to be engaged from project inception, ensuring that infrastructure investments are well-planned, technically viable, and sustainable.

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## Capacity Building in Local Government

Local authorities are responsible for managing significant portions of public infrastructure, yet they often face capacity constraints in technical planning and project oversight. ACEZ supports capacity development in local government institutions by customising training, and strengthening technical understanding to improve infrastructure management at the local level. The knowledge imparted is from a practitioner's stand point, making it practical and relevant for real-world solutions.

# Mentorship and Professional Development

Sustaining the profession requires a strong pipeline of skilled and confident professionals. Mentorship plays a critical role in transferring knowledge, experience, and professional values from experienced engineers to emerging practitioners. ACEZ has a 'Future Leaders' group, a section dedicated to developing young professionals. Activities are extended to the general built environment to promote collaboration between diverse professionals, creating a broad spectrum for alternative project solutions. Through mentorship initiatives and leadership development programs, the Association will ensure that the next generation is equipped to carry the profession forward.



## Harmonisation of Professional Bodies

The engineering and built environment professions involve several regulatory and professional organizations. Greater coordination between these bodies can improve professional standards, reduce duplication, and strengthen collective advocacy. ACEZ supports greater collaboration and harmonisation among professional institutions, ensuring a unified voice that advances the interests of the profession and the quality of infrastructure delivery.

## Ethics, Integrity, and Corruption in Infrastructure Development

Integrity remains fundamental to the credibility and sustainability of the consulting engineering profession. Corruption in infrastructure procurement and delivery undermines project quality, erodes public trust, and increases costs. ACEZ continues to promote strong ethical standards, transparency, and accountability within the profession through training and also by conduct. By reinforcing professional conduct and encouraging ethical practices across the industry, the Association will participate in safeguarding the integrity of the profession to ensure the safety, durability and sustainability of infrastructure development.

**Addressing these issues requires collective effort, clear direction, and a willingness to evolve alongside the changing demands of society and the built environment. By actively engaging with these priorities, the Association and its members will strengthen professional practice, contribute valuable insight to national decision-making, and support the delivery of infrastructure that meets the country's long-term needs.**

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**Integrity**

**Diligence**

**Honesty**

### **Providing the following services:-**

- ✓ **Feasibility Studies for Infrastructure Development**
- ✓ **Detailed Engineering Design for the following:**
  - **Roads and Highways**
  - **Bridges and Drainage Structures**
  - **Water and Wastewater Infrastructure**
  - **Buildings and shopping malls as well as warehousing**
  - **Detailed Engineering Design for the following**
- ✓ **Construction Supervision of Different Infrastructure Projects**



# The Future of Infrastructure

The construction and infrastructure sector is entering a period of rapid transformation driven by new technologies, environmental priorities, and evolving project delivery methods. For Zambia, embracing these developments will be key to delivering efficient, sustainable, and resilient infrastructure. As these trends reshape the industry, the Association remains committed to preparing its members with the knowledge, skills, and partnerships required to adapt and lead.

## Emerging Trends in Construction

### Artificial Intelligence (AI)



AI will increasingly support project planning, cost forecasting, risk analysis, and predictive maintenance, allowing engineers to make faster and more informed decisions. Some emerging skills to expect from this are data analysis, digital literacy and systems thinking. The Association will need to create awareness and training on AI-enabled tools and promote collaboration with technology partners.

### Digital Modelling and Building Information Modelling (BIM)



Infrastructure projects continue to move towards integrated digital design environments, improving coordination between designers, contractors, and clients while reducing errors and delays. Critical skills necessary for adoption of this technology include BIM software proficiency, digital collaboration and integrated project coordination. The Association will need to promote BIM awareness, training, and gradual adoption among member firms and built environment professionals to strengthen project delivery standards.

### Green Technologies



Project delivery is moving towards prioritising energy efficiency, resource conservation, and environmentally responsible design. As such, professionals will need to learn about sustainable design principles, energy-efficient systems and Environmental impact awareness. ACEZ will support knowledge-sharing on sustainable engineering practices and encourage the integration of environmentally responsible solutions in infrastructure development.

## Smart Technologies



With the rise of urbanisation and increasing population, technological tools can be advantageous to improve the standard of living to match the dawning technological era. Infrastructure development is steering towards incorporating sensors, automation, and data-driven systems to improve monitoring, performance, and service delivery. The Association will need to facilitate the engineering industry's exposure to smart infrastructure concepts such as data systems integration, data management and technology-enabled infrastructure planning.

## Climate-Resilient Infrastructure



Zambia is no exception to the impact of climate change, from experiencing increased temperatures to severe droughts, and flash floods that have affected the agricultural sector, reduced hydropower generation, and threatened food insecurity. The infrastructure of the future will need to withstand climate variability, extreme weather, and long-term environmental pressures. ACEZ will need to champion engineering practices that incorporate resilience, risk assessment, and climate adaptation in project planning and design.

Adapting to these developments will require openness to new approaches, stronger collaboration across sectors, and continuous learning within the profession. By anticipating shifts in technology, environmental priorities, and project delivery methods, the Association can help position its members to remain competitive and relevant in a rapidly evolving landscape. Preparing engineers with the capabilities needed for this new era will ensure that the profession continues to contribute meaningfully to the country's growth and long-term prosperity.

“ While the world builds forward, those who ignore change quietly remain behind — watching the future pass them by. ”



# Zulu Burrow Consulting Limited

## Engineering Excellence Since 1963

With over **60 years** of proven expertise, Zulu Burrow Consulting Limited delivers world-class civil and structural engineering solutions across transportation, commercial, industrial, water, sanitation, and agricultural infrastructure with recent projects such as the **Kazungula Bridge Project between Zambia and Botswana**.

**Founded in Zambia in 1963**, the firm has evolved through international partnerships while remaining proudly Zambian-owned. Today, Zulu Burrow stands as a fully independent consultancy, trusted by global development agencies and recognized by the Association of Consulting Engineers of Zambia and FIDIC.

**From airports and road networks to rural water supply and agricultural development**, our Lusaka-based team—supported by regional and international offices—provides tailored, client-focused services that meet Zambia's unique needs.

## Comprehensive Engineering Solutions

From our early focus on highways, bridges, and airports, we have grown into a multidisciplinary consultancy delivering integrated infrastructure solutions across Zambia and the wider region.

Our expertise spans:

- **Transportation Engineering** – Roads, highways, bridges, and airport upgrades (airside & landside).
- **Structural Engineering** – High-rise buildings, office complexes, power stations, and major facilities.
- **Water & Public Health Engineering** – Hydrological studies, bulk water storage, treatment plants, and distribution systems.
- **Urban & Agricultural Infrastructure** – Planning and development to support communities and commercial growth.
- **Environmental & Social Services** – Impact assessments, socio-economic analysis, compliance audits, CSR initiatives, and stakeholder engagement.
- **Project Management & Advisory** – Feasibility studies, manpower planning, institutional strengthening, and health & safety management.

With decades of experience and a client-focused approach, Zulu Burrow Consulting Limited continues to deliver projects that shape communities, drive sustainable development, and strengthen Zambia's future.



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# Investing in Tomorrow's Engineers

Ensuring the long-term strength of the consulting engineering profession requires deliberate investment in people. By attracting promising individuals, strengthening the capabilities of current practitioners, and preparing future leaders, the association helps safeguard the profession's ability to remain adaptable, competitive, and relevant both regionally and globally.

## Attracting Talent

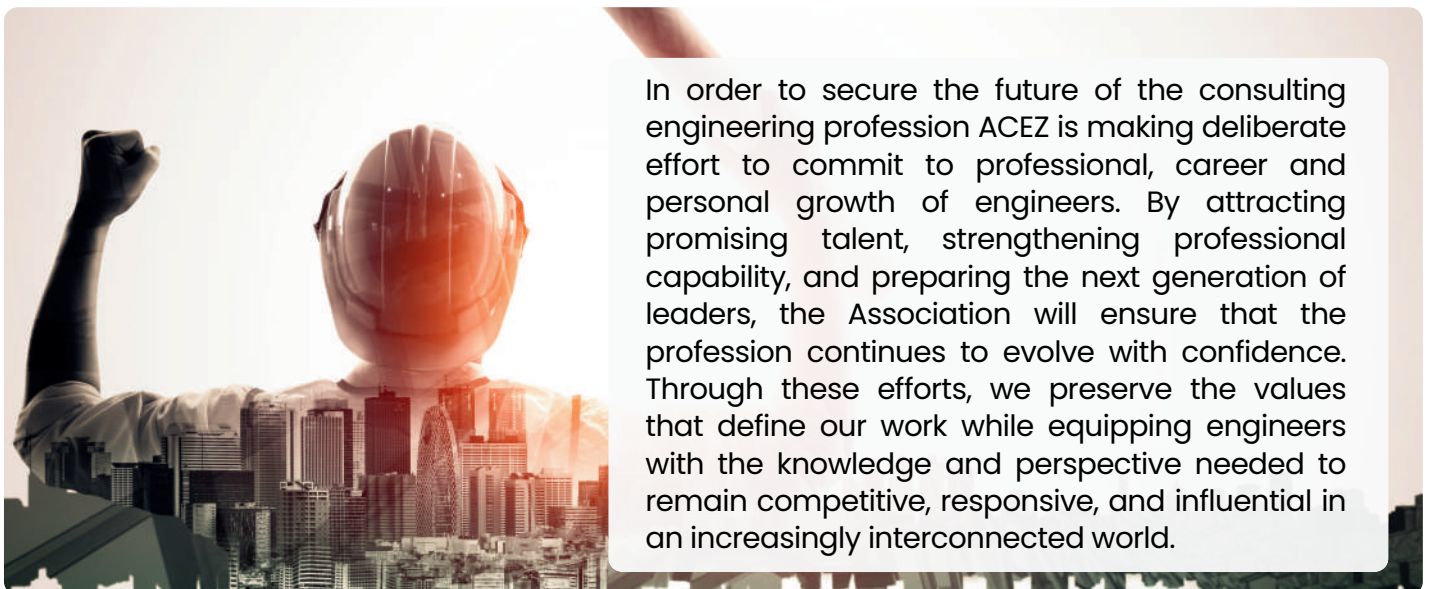
The future of the profession depends on inspiring capable young people to pursue careers in engineering and the built environment. Promoting the value and impact of consulting engineers helps demonstrate the important role the profession plays in national development. By engaging students, universities, and young professionals through outreach programmes, career platforms, and mentorship initiatives, the Association intends to create a strong pipeline of future practitioners who are motivated to contribute to the country's growth.

## Upskilling and Capacity Development

As technology, regulations, and project delivery methods continue to evolve, engineers must continuously strengthen their capabilities. Professional training, continuous learning opportunities, and exposure to emerging practices allow members to remain technically strong and professionally effective. By prioritizing capacity development, the Association plans to ensure that its members are equipped with the knowledge and expertise needed to meet modern infrastructure demands and compete in an increasingly global industry.

## Succession Planning

Sustaining professional excellence requires intentional preparation for leadership transitions. Succession planning ensures that knowledge, experience, and professional values are transferred from experienced practitioners to emerging leaders. By promoting the nurturing future decision-makers and maintaining strong professional ethics, the Association preserves the standards that have guided the profession over the years while ensuring continuity in leadership and service delivery.



In order to secure the future of the consulting engineering profession ACEZ is making deliberate effort to commit to professional, career and personal growth of engineers. By attracting promising talent, strengthening professional capability, and preparing the next generation of leaders, the Association will ensure that the profession continues to evolve with confidence. Through these efforts, we preserve the values that define our work while equipping engineers with the knowledge and perspective needed to remain competitive, responsive, and influential in an increasingly interconnected world.

# ACEZ Members



Dexterity System Solutions



# ACEZ Members



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# Engineering Tomorrow. Together.

Together, we continue to strengthen the profession and contribute to infrastructure development that benefits our communities and the nation.



This publication reflects a journey that spans six decades—celebrating the vision of those who established the association, recognising the achievements that define it today, and as we celebrate the milestones that have shaped the association and look ahead to the opportunities before us, we invite you to stay connected with our growing community. Whether you are a member, partner, student, or stakeholder, your engagement helps strengthen the profession and supports the continued advancement of consulting engineering.



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