

IEK WEEKLY NEWSLETTER

WEEK 3 | MARCH 2026



TOP STORIES THIS WEEK

Agriculture Sector Based Conference highlights engineering as a sustainable tool for climate resilience in the sector

The Institution of Engineers of Kenya (IEK) held the Agriculture Sector Based Conference at the Golden Tulip Hotel, Nairobi.

Full story on Page 3

Women Engineers Committee holds a mentorship session at Pangani Girls High school

The Women Engineers Committee led a mentorship initiative at Pangani Girls High School, bringing together over 1,000 students.

Full story on Page 1

IEK Capital Branch equips JSS science lab for North Highridge JSS in parklands

The Institution of Engineers of Kenya (IEK) Capital Branch marked World Engineering Day 2026 by upgrading a JSS science lab for North Highridge JSS in parklands.

Full story on Page 8

The Engineers' Corner

This Week's Feature Interview- Eng. Robert Ouko Oyoo – Civil Engineer

Full story on Page 17

INDUSTRIAL VISIT

ROAM ELECTRIC

Roam is pioneering electric mobility company in Africa starting in Kenya, with a mission to deliver low-cost, low-emission transport solutions designed for the realities of emerging markets.

Roam's electric motorcycles and buses tackle Africa's daily transport demands while cutting emissions and costs: built for scale, sustainability, and local impact.

CHARGES: MEMBERS: KSH 2,000
NON MEMBERS AND MEMBERS NOT IN GOOD STANDING: KSH 2,500

4 CPDs

17TH APRIL 2026 | 8.00AM

CLICK HERE TO REGISTER

WHAT TO EXPECT: >>>

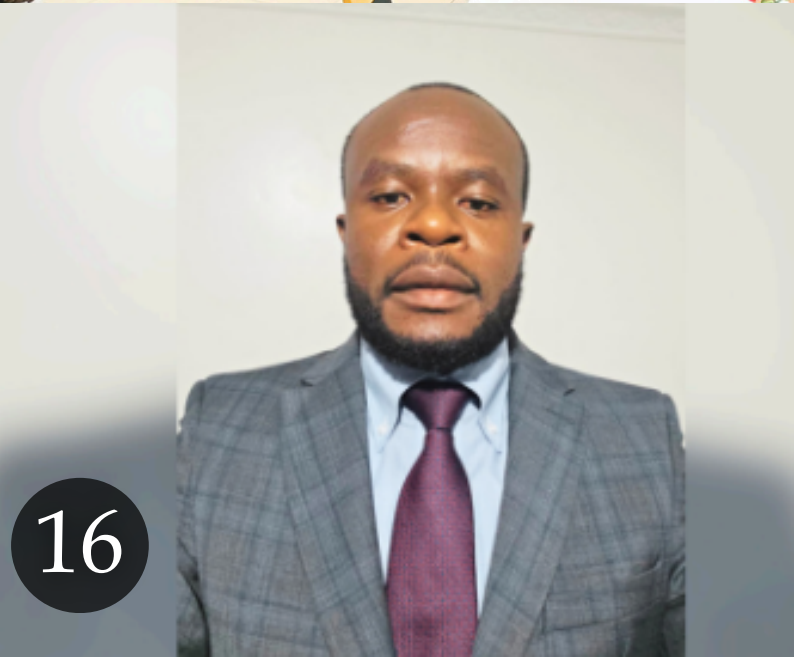
- Tour the assembly line.
- Learn about electric mobility technologies -including battery systems and vehicle integration.
- Engage with the engineering team on manufacturing and clean transport solutions tailored for the Kenyan market.



In this edition...



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Dear Member,

The IEK Weekly Newsletter offers a roundup of recent Institution of Engineers of Kenya (IEK) events and upcoming ones, activities by the various committees, and any upcoming developments that affect Engineers and the Built Environment.

This newsletter is a roundup of activities in the 3rd Week of March 2026 (IEK/NL/181).



Women Engineers Committee holds a mentorship session at Pangani Girls High school Tuesday, 10th March, 2026

The Women Engineers Committee led a mentorship initiative at Pangani Girls High School, bringing together over 1,000 students to celebrate World Engineering Day and International Women's Day. The event underscored the critical role mentorship plays in shaping the aspirations and futures of young women, particularly in science and engineering fields.

The session created an engaging and inspiring environment where students had the opportunity to interact with mentors, gain valuable career insights, and explore the vast possibilities within engineering and other STEM disciplines. Through shared experiences and practical advice, the mentors encouraged students to remain focused on their education and to pursue their ambitions with confidence.

The commemoration of reinforced the importance of empowering young women to take up space in traditionally male-dominated fields. The mentorship emphasized that with the right support, determination, and access to opportunities, girls can excel and become leaders, innovators, and problem-solvers in their communities.

The initiative demonstrated the scale and impact of collective efforts to inspire and uplift the next

generation. Many students left the session motivated and energized, with a clearer vision of their potential and the pathways available to them.

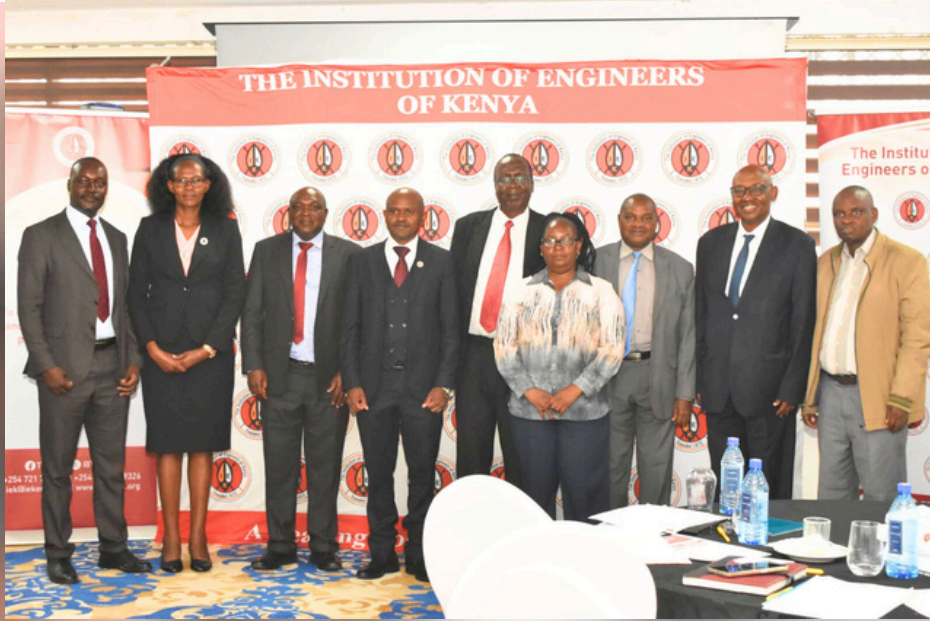
This mentorship by the Women Engineers Committee stands as a testament to the power of guidance, representation, and community in driving meaningful change.

By investing in young minds today, the initiative is helping to build a future where more women confidently step into engineering and leadership roles.

WEC holds a mentorship session at Pangani Girls Tuesday, 10th March, 2026

PICTORIALS





Agriculture Sector Based Conference highlights engineering as a sustainable tool for climate resilience in agriculture.

Thursday, 19th March, 2026

The Agriculture Sector-Based Conference brought into sharp focus the transformative power of engineering in shaping a resilient and commercially viable agricultural sector in Kenya. Convened by the Institution of Engineers of Kenya, the forum highlighted a deliberate shift toward sector-specific engagements designed to unlock the potential of industries that are critical to economic growth yet often underrepresented.

Setting the tone, IEK President Eng. Shammah Kiteme explained that the institution's strategy is rooted in intentionality ensuring that each sector receives focused attention and practical solutions. He noted that this approach is already yielding results, following earlier conferences in mining and aviation, and now extending into agriculture, a sector central to livelihoods and national development.

Eng. Laban Kipkorir Kiplagat, Agricultural Engineering Secretary, State Department for Agriculture, representing Dr. Kipronoh Ronoh Paul, Principal Secretary, State Department for Agriculture, Ministry of Agriculture and Livestock Development, emphasized that the integration of engineering innovations is no longer optional but essential. He highlighted how mechanization, smart technologies, and data-driven systems can transform

productivity while addressing the mounting challenges of climate change. He called for stronger collaboration across sectors to accelerate the adoption of these solutions.

Prof. Jackson Kwanza, the Deputy Vice-Chancellor, Research, Production and Extension at JKUAT, representing Prof. Victoria Wambui Ngumi, Vice Chancellor, Jomo Kenyatta University of Agriculture and Technology (JKUAT) illustrated how modern engineering tools are already making an impact. From solar-powered irrigation systems to precision soil monitoring technologies, he demonstrated how innovation is enabling farmers to adapt to unpredictable weather patterns while improving efficiency and sustainability.

Mr. Benjamin Tito, Director Regional Coordination Directorate, Agriculture and Food Authority (AFA), underscored the importance of standards and coordination in strengthening agricultural markets. He emphasized that improved processing technologies, coupled with effective regulation, can significantly reduce post-harvest losses and enhance the global competitiveness of Kenyan produce.

Dr. Rachael Kisilu, Director Agricultural Mechanization Research Institute, Katumani, Kenya Agricultural and Livestock Research Organization

Agriculture Sector Based Conference highlights engineering as a sustainable tool for climate resilience in the sector

Thursday, 19th March, 2026

(KALRO) highlighted the organization's role in advancing technologies, innovations, and management practices that support sustainable agriculture. She pointed to ongoing efforts in value addition, agro-processing, and market linkages as key drivers of agribusiness growth and improved farmer incomes.

Eng. Prof. Lawrence Gumbe, Chairperson, Kenya Society of Environmental, Biological and Agricultural Engineers (KeSEBAE), delivered a strong message on the need for industrialization and mechanization. He emphasized that engineering must be at the core of agricultural transformation if Kenya and Africa are to achieve economic progress and long-term sustainability.

A high-level panel discussion brought these insights together, exploring how engineering can drive climate-resilient agriculture and economic transformation. Moderated by Eng. Jacton Mwembe, IEK Honorary Secretary, the session highlighted the urgency of adopting smart engineering solutions across agricultural value chains, reducing losses, and ensuring knowledge transfer to the next generation.

The presence of IEK leadership, including Eng. Jeniffer Korir, Honorary Treasurer, and Eng. John Nyaguti, Council Member, reinforced the institution's commitment to driving meaningful dialogue and action.

At the end a unifying theme emerged, engineering is not just a support function in agriculture it is the engine of transformation. Through innovation, partnerships, and sustained investment, Kenya's agricultural sector is on a path toward greater resilience, productivity, and global competitiveness.



Agriculture Sector Based Conference

Thursday, 19th March, 2026

PICTORIALS



Agriculture Sector Based Conference

Thursday, 19th March, 2026

PICTORIALS



Agriculture Sector Based Conference

Thursday, 19th March, 2026

PICTORIALS





IEK Capital Branch equips JSS science lab for North Highridge JSS in parklands as part of World Engineering Day Celebrations

Thursday, 19th March, 2026

The IEK Capital Branch under the World Engineering Day celebrations 2026 undertook a renovation and equipping of a science laboratory at North Highridge Junior Secondary School, in Parklands, Nairobi.

Prior to this intervention, the school lacked basic laboratory equipment and essential science supplies limiting students' ability to engage in practical learning. Recognizing this gap, IEK Capital Branch stepped in to not only refurbish the laboratory space but also donate laboratory equipment and supplies that will sustain learning for the next five years. This investment is expected to significantly enhance science education and open new opportunities for students to explore STEM pathways.

The initiative was made even more impactful through collaboration with partners, including 3Es Organization and Vukisha na Upendo, who joined in supporting the day's activities and engaging with the students.

Beyond infrastructure, the highlight of the day was a mentorship session led by engineers, which left a lasting impression on the learners. Many students shared that it was their first time interacting directly

with engineers, an experience that broadened their perspectives and inspired new ambitions. The session sparked curiosity, built confidence, and motivated students to work hard toward careers in engineering and related fields.

This initiative reflects IEK Capital Branch's commitment to nurturing talent, promoting equitable access to quality education, and strengthening the foundation for future engineers. By investing in both facilities and mentorship, the program not only addressed immediate learning needs but also planted seeds of aspiration and possibility.

As the world celebrates engineering and its impact, this effort stands as a powerful reminder that transforming lives often begins with creating opportunities, one laboratory, one student, and one dream at a time.

IEK Capital Branch equips JSS science lab

Thursday, 19th March, 2026

PICTORIALS





Muranga University of Technology Engineering Students Association launches its Women in Engineering Chapter.

Friday, 20th March, 2026

Murang'a University of Technology Engineering Students Association (MUT-ESA) hosted a vibrant dinner and leadership inauguration ceremony. The celebrations also saw the launch of its Women in Engineering chapter. The event brought together a diverse and dynamic audience, all united by a shared commitment to advancing engineering and empowering student leadership. The launch of the Women in Engineering chapter represents a significant milestone for the association, signaling a renewed focus on inclusivity and the promotion of female participation in engineering fields. The initiative aims to create a supportive platform where young women can be mentored, inspired, and equipped with the skills needed to thrive in their academic and professional journeys. The evening also featured the inauguration of incoming student leaders, ushering in a new team tasked with steering the association forward. Their leadership comes at a time when innovation, collaboration, and student engagement are more important than ever in shaping the future of engineering.

In attendance were faculty members who continue to play a crucial role in guiding and supporting students, alongside representatives from the Future Leaders Committee and branch committee members, reflecting strong institutional backing for student initiatives.

The event was further enriched by the presence of mentees sponsored by Eng. Harrison Keter, 1st Vice President and Eng. Jacton Mwembe, IEK Honorary Secretary whose contributions to mentorship and capacity building were evident in the confidence and enthusiasm of the students. Student leaders from other Engineering Students Associations (ESAs) also attended, fostering a spirit of unity, collaboration, and shared learning across institutions.

The launch of the Women in Engineering chapter, coupled with the induction of new leadership, sets the stage for a future where diversity, innovation, and strong leadership define the engineering landscape.

With continued support from mentors, faculty, and partners, MUT-ESA is poised to nurture the next generation of engineers, leaders who are not only technically skilled but also empowered to make meaningful contributions to society.

MUT-ESA dinner and launch

Friday, 20th March, 2026

PICTORIALS



CAREER WEEK STUDENTS' INNOVATION AWARDS



Name: Robert Maina Irungu

University Name: University of Nairobi

Year of Study: Fourth Year

Course: Mechanical Engineering

I am Robert Maina Irungu, a Fourth Year Mechanical Engineering student at the University of Nairobi, presenting an innovation titled the Active Mechanical Air Filtration System. This project proposes a systems engineering solution to urban air pollution in high-traffic “street canyons,” where tall buildings trap pollutants at pedestrian level. Instead of relying on passive methods like vegetation, I treat the street as a controlled engineering system and introduce distributed mechanical air purification units integrated into city infrastructure.

The system operates through multiple coordinated subsystems. First, cyclonic (inertial) separation removes coarse particles such as dust and brake debris, reducing filter wear. This is followed by high-efficiency filtration (EPA) to capture fine particulate matter, alongside activated carbon filters that remove harmful gases like NO_2 and VOCs. Fans provide active ventilation, while optional dry mist systems enhance particle suppression under controlled environmental conditions.

A smart control system uses real-time sensor data (pollution levels, traffic, and humidity) to optimize performance and energy efficiency. Deployment in bus stops, lamp posts, and road medians creates localized clean air zones, targeting areas of highest human exposure and helping to reduce respiratory health risks at the source.

The Institution of Engineers of Kenya (IEK) has supported this project by providing exposure to potential partners and colleagues, as well as validating its feasibility through presentation opportunities during Career Week. Beyond urban applications, the system is also highly relevant in industrial environments, where airborne particulates pose significant hazards, offering a scalable solution to improve worker safety and air quality.

CAREER WEEK STUDENTS' INNOVATION AWARDS



Name: Prudence Karimi Kariuki

University: Jomo Kenyatta University of
Agriculture and Technology (JKUAT)

Year of Study: Fourth Year

InfraLert is an AI-powered, community-driven alert platform designed to strengthen climate resilience in Kenyan counties. The app enables residents to report early signs of infrastructure stress, such as blocked drainages, minor flooding, road cracks, sewage overflows, or erosion, by uploading photos and location data in real time.

Artificial intelligence then aggregates, verifies, and maps these reports, identifying patterns and emerging hotspots. Instead of responding only after infrastructure fails, planners receive early climate-risk intelligence that helps them prioritize inspections, allocate limited resources efficiently, and intervene before small issues escalate into costly disasters.

In Kenya, where rapid urbanization and increasing climate variability are placing pressure on roads, drainage systems, and water infrastructure, this innovation acts as a low-cost early warning layer. By detecting early signs of infrastructure stress linked to extreme weather, the platform enables cities to prevent failures and adapt infrastructure systems to changing climate conditions, strengthening urban climate resilience, particularly in areas where inspection capacity and formal data systems are limited.

The innovation directly supports Sustainable Development Goals, including SDG 11 (Sustainable Cities and Communities), SDG 9 (Industry, Innovation and Infrastructure), and SDG 13 (Climate Action). By extending infrastructure lifespan, reducing emergency repair costs, and strengthening climate adaptation planning, the platform promotes safer, more resilient communities while encouraging civic participation in sustainable development.

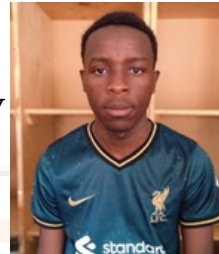
The Institution of Engineers of Kenya, IEK, has provided a valuable platform for young engineers and students to present their ideas, receive professional feedback, and interact with experienced engineers. Through this process, I was able to refine my innovation and gain confidence in developing engineering solutions that address real-world challenges.

Going forward, I plan to develop InfraLert into a practical system through prototype testing and pilot projects, using intelligent data systems to support more efficient and climate-resilient infrastructure in Kenya and across Africa.

CAREER WEEK STUDENTS' INNOVATION AWARDS



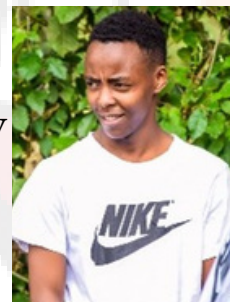
Name: Kelvin Kariuki
University: Egerton University
Year of Study: Fourth Year



Name: Charles Muturi
University: Egerton University
Year of Study: Fourth Year



Name: Peter Ndirangu
University: Egerton University
Year of Study: Fourth Year



Name: James Gitonga
University: Egerton University
Year of Study: Fourth Year

Problem Statement: Kenya faces a critical challenge with building collapses stemming from structural failures, substandard materials, and regulatory non-compliance. To mitigate this, we propose ImaraBuild AI, a real-time, deep-learning-powered monitoring system designed to proactively prevent construction disasters.

Proposed Innovation: Operating on an Observe, Analyze, Act algorithm, ImaraBuild AI replaces intermittent manual oversight with continuous data acquisition using strategically fixed IP cameras. The live visual feed is processed via edge computing and analyzed by a central Deep Learning Model. This AI is specifically trained to instantly detect critical structural anomalies, including poor concrete mix ratios, rebar spacing deviations, and structural cracks.

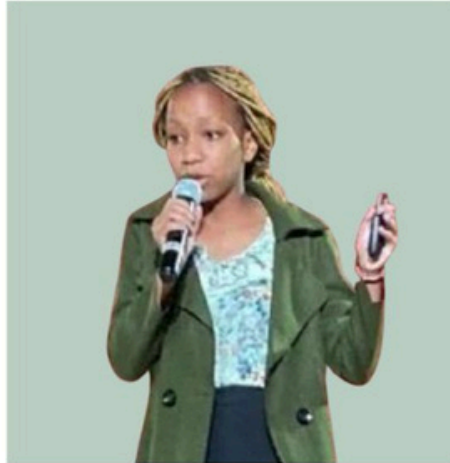
Execution and Impact: Upon identifying a critical fault, the system eliminates human delay. It triggers an automatic red alert, sending immediate construction-hold instructions directly to the on-site engineer's mobile device. Simultaneously, this data is securely synced with the National Construction Authority (NCA) Risk Dashboard, ensuring strict regulatory oversight, transparency, and the immediate preservation of life.

The Institution of Engineers of Kenya (IEK) has been integral to the realization and advancement of this project. Notably, IEK has provided an exceptional platform for us to showcase our innovation to esteemed industry leaders and stakeholders. Furthermore, the institution has offered invaluable mentorship from seasoned engineering professionals, providing the critical guidance necessary to ensure the project's success and its strict alignment with rigorous structural standards.

CAREER WEEK STUDENTS' INNOVATION AWARDS



Name: Rhoda Katuleve
University: University of Nairobi
Year of Study: Third year



Name: Winnie Nduta
University: University of Nairobi
Year of Study: Third year



Name: Celine Wahome
University: University of Nairobi
Year of Study: Third year

Soilution is a solution that turns sanitary waste into a material that helps soil hold more water. It addresses two major challenges: water scarcity in farming and poor waste management.

When added to soil, Soilution improves its ability to retain water and release it slowly to crops over time. This helps crops survive longer during periods of low or delayed rainfall, reducing the risk of crop failure.

Soilution is especially useful for small-scale farmers in arid and semi-arid regions. Many farmers rely on rainfall, which has become increasingly unpredictable. By helping the soil keep water for longer, Soilution supports more stable crop growth and improves the chances of better harvests.

At the same time, Soilution promotes environmental sustainability by repurposing sanitary waste that would otherwise pollute the environment. This reduces waste while creating value for agriculture.

Overall, Soilution is a practical and scalable solution that helps farmers use water more efficiently, improve productivity, and build resilience against changing climate conditions.

CAREER WEEK STUDENTS' INNOVATION AWARDS



Name: Anyange Mark Wisdom & Purity Kerubo

University: Meru University of Science and Technology

Year of Study: Fourth year

Project Name: SmartWaste-KE — LoRaWAN-Based Smart Waste Management System

SmartWaste-KE is a closed-loop, autonomous waste management system purpose-built for urban and peri-urban environments in Kenya. It integrates Internet of Things (IoT) sensing, long-range wireless communication, and robotics to deliver an efficient, low-cost, and scalable solution to waste collection challenges.

The system employs smart sensors installed in waste bins to monitor fill levels in real time. These sensors communicate using LoRaWAN radio technology, which provides coverage of up to 2 kilometers from a single gateway without requiring SIM cards. This ensures minimal operational costs and long battery life, making the system suitable for resource-constrained and off-grid settings. Data from the sensors is transmitted to a centralized cloud server, where it is processed and displayed on a web-based dashboard for real-time monitoring.

When a bin reaches 85% capacity, the system automatically triggers an Arduino Mega-powered robotic unit equipped with a mechanical arm to collect the waste. Onboard sensors verify successful collection and reset the system, ensuring a continuous and fully automated cycle from detection to disposal.

SmartWaste-KE is built entirely from open-source hardware and has been prototyped at an approximate cost of KES 50,000. Its solar compatibility further enhances its adaptability to Kenya's diverse environmental conditions.

The Institution of Engineers of Kenya (IEK) provided a valuable platform during Career Week to present this innovation to industry professionals. This opportunity offered critical exposure, mentorship, and encouragement, reinforcing the importance of developing engineering solutions that address pressing challenges in Kenya and across Africa.

The Engineers' Corner

Eng. Robert Ouko Oyoo – Civil Engineer



1. What inspired you to pursue Civil Engineering?

I discovered early on that I excelled in mathematics and sciences, which naturally drew me toward STEM fields like Engineering and Computer Science. With guidance from my brother already in STEM, I had to choose between the two. My passion for forces and momentum in Physics, inspired by Sir Isaac Newton's laws of motion, ultimately led me to pursue Civil Engineering for its diverse areas of specialization.

2. If you weren't an engineer, what career path would have been your second choice?

A Computer Scientist whose role would be in software development.

3. You've worn many hats, from lecturer to Centre Leader and now Assistant Director for Slum Upgrading. How has been the journey for you?

I began my career in May 2016 as an Assistant Site Engineer on a construction site in Kiambu County, later working on road projects in Machakos County. In October 2017, I joined KIHBT as Lecturer (II) in the State Dept. for Roads, rising to Lecturer (I) and then Principal Lecturer. While at KIHBT, I served as Monitoring and Evaluation lead for the World Bank's EASTRIP project and was later appointed Centre Leader, coordinating the project and

stakeholders for six months. Subsequently, I was promoted through the Public Service Commission to Assistant Director, Slum Upgrading in the Ministry of Lands, Public Works, Housing and Urban Development.

4. From an engineer's point of view, what makes slum upgrading different from other construction projects?

In the slum upgrading department, we focus on provision social housing and civil infrastructure to the most vulnerable groups of citizens in the most fragile living neighbourhoods. Most critically, accurate feasibility studies and social and economic justification of such projects is unavoidable to realize the objectives. In another sense, adequate stakeholder engagement and management is paramount for projects in informal settlement (slums).

5. Are there any new technologies or building methods you're excited about right now??

Currently, I am excited that the country has dedicated affordable housing finance which is complimentary to the donor support to alleviate poverty and disease in then vulnerable neighbourhoods. I would be interested to contribute through but certainly the use of EPS panels has significantly reduced the time of implementation of some projects.

6. If you could go back to university, what's one non-engineering subject you'd love to study just for fun?

I would definitely go for Sociology which will equip me with adequate skills to implement Resettlement Action Plans (RAP) and management project affected persons (PAPs).

7. If civil engineering were a movie genre, what would it be, action, sci-fi, drama or documentary? And why?

Definitely action movie since we majorly determine forces and moments on structures and provide safe system or load paths to absorb and dissipate to the natural ground without causing any damage or unwanted service levels like noise and excessive vibrations.

The Engineers' Corner

Eng. Robert Ouko Oyoo - Civil Engineer

8. What was the biggest surprise you encountered in your early years as a young engineer entering the workforce?

As a young engineer, my biggest surprise was that I had to learn and unlearn some things in my career under the supervision of experienced foremen. Also, I was amazed by the various roles a Civil Engineer can play depending on your background and specialisation. Some of these roles include but are not limited to; Structural Engineer, Bridge Engineer, Traffic Engineer, Transportation Engineer, Transport Specialist, Road Safety Engineer, Geotechnical Engineer, Materials or Pavement Engineer, Highway Engineer, CAD Engineer, Transport Economist and Water and Sanitation Engineer, Railway Engineer.

9. What's the most fulfilling part of your current role?

I prefer managing complex stakeholder expectations. Timelines are important, but navigating diverse interests and finding common ground is where real leadership shines.

10. What advice would you give young engineers aspiring to pursue civil engineering?

Civil Engineering is the best engineering course due to the diverse areas of specialisation and our role in creating a better world for animals, plants and mankind in an ecosystem.

11. What's a fun fact about you that even your colleagues might be surprised to know??

The fun fact about me is multitasking in teaching, research, practice and socialising after work.

12. Do you have a favourite sport, and if so, which team are you cheering for?

I love soccer and I am a proud fan of Gor Mahia in Kenya and Manchester United for the English Premier League and Real Madrid in the La Liga.

13. If you had a superpower to make your work easier (or life more fun), what would it be?

Integrating AI in design processes and innovation to solve the world's most unspoken pandemic of road accidents.

14. If you could instantly learn a new skill, (non-engineering) What would it be?

I would learn how to play Chess which will help me develop a better work life balance approach.

15. If you could instantly learn a new skill (non-engineering), what would it be?

If I could instantly learn a new skill, it would be playing the piano. Music has a way of expressing emotions that words cannot.

16. If you were commissioned to design a monument for Kenya at 100 years, what would it be, and which county would you have it placed in?

I would definitely design a statute for the Rt. Hon. Eng. Raila Amollo Odinga, C.G.H with the 2010 Constitution of Kenya engraved on his hand and the people of Kenya. I would prefer it be installed in all counties or just Nairobi.

17. In one word or phrase, how would you describe your journey as an engineer?

Rewarding

The Energy (Solar Water Heating) Regulations, 2025

Dear Member,

There's a significant regulatory shift in the energy sector.

On 9th July 2025, the Cabinet Secretary for Energy and Petroleum gazetted the Energy (Solar Water Heating) Regulations, 2025.

These regulations establish a mandatory framework for the entire solar water heating value chain in Kenya. Whether you are involved in manufacturing, importing, selling, or simply maintaining these systems, these rules now apply to your operations. Under these regulations, all persons and entities involved in the importation, manufacture, sale, installation, or repair of solar water heating systems must be licensed by the Authority.

Compliance Deadline: All entities are required to comply with all aspects of these regulations within one (1) year from the date of gazettelement (by July 2026).

EPRA has launched an online system for licensing applications for both workers and contractors. You can access the necessary documents and application portals via the links below:

- Licensing Guidelines:
[Download Application Guide](#)
- Official Regulations:
<https://epra.go.ke/energy-solar-water-heating-regulations-2025>

Please ensure you review these requirements promptly to avoid any operational disruptions as the compliance deadline approaches

UPCOMING EVENTS




"IMPULSE OF KNOWLEDGE" VIDEO LECTURE COMPETITION

An academic initiative engaging young professionals and students in mining and resource engineering, organised by Saint-Petersburg Mining University and National Association of Mining Engineers.

Record a short video lecture (up to 3 minutes) in English presenting your ideas, research, or practical experience in mining engineering, geology, or resource engineering. Show how young professionals can shape the future of responsible resource development in Africa and globally.

PARTICIPATION IS OPEN TO INDIVIDUALS AND TEAMS. THE COMPETITION IS FULLY ONLINE AND FREE OF CHARGE.

FORMAT	OPPORTUNITY	SELECTION	FUTURE IMPACT
3-minute video lecture in English on your research or field of study	Showcase your expertise to international academic audiences	Expert panel reviews and selects the best video lectures	Platform for identifying promising young specialists for further academic and professional collaboration

SUBMISSION DEADLINE: 10TH APRIL 2026

CORE FOCUS AREAS

- Mining engineering, geology, and resource engineering.
- Related engineering fields are welcome if addressing challenges and innovations in the extractive sector.

What Judges Look For

- Creative presentation and originality of ideas
- Logical structure and clear message delivery
- Relevant connection to your field of study
- Strong communication and comprehensibility
- Effective use of visuals and supporting elements

[CLICK HERE TO SUBMIT](#)

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TRAINING

PROJECT MANAGEMENT PROFESSIONAL (PMP®) TRAINING

18 CPDs

Your Pathway To Acquiring International Project Management Certification- Upskilling and Reskilling Engineers for Career Progression

13TH - 17TH APRIL, 2026
8.00AM - 5.00PM

CHARGES: MEMBER-KSH 32,000
NON-MEMBER-KSH 35,000

Engineering professionals in the built environment, Project Managers, Team Leads, Construction Managers

[CLICK HERE TO REGISTER](#)

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SHARE YOUR STORY-IEK ENGINEERS' CORNER



Share your story and be featured in Engineers' Corner Segment of the IEK Weekly Newsletter and let your journey inspire fellow engineers.

Requirements to feature you:

- Must be an IEK Member.
- Must fall under Corporate, Fellow or Associate Membership of IEK.
- Be in good standing with IEK

Submit your request to be featured by clicking the link below or scanning the QR Code.

[CLICK HERE TO BE FEATURED](#)

Scan here to submit your request 

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ZENITH STEEL FABRICATORS

SITE VISIT

Friday 27th March, 2026

Meeting Time: 8:00 a.m
Meeting Point: Taifa Road (Behind Supreme Court)

4 CPDs

CHARGES
KSH 1,500: Members
KSH 2,000: Non-members
Only 25 slots available

[CLICK HERE TO REGISTER](#)

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UPCOMING EVENTS

CERTIFIED PPP PROFESSIONAL (CP³P®) FOUNDATION TRAINING



LEARNING OUTCOMES

 01 Identify Infra Needs	 02 Generate Pipeline	 03 VIM Life Cycle Costs	 04 Risk Management	 05 Project Structuring	 06 Project Procurement	 07 Contract Management
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MODULE 1

6TH APRIL - 5TH MAY 2026
VIRTUAL SELF-PACED
LEARNING (WITH TWO
ONLINE SESSIONS)

Note: Training runs from April 6th - May 15th including exam. You cannot join module II [physical] if you've not completed module I [virtual].

MODULE 2

11TH - 15TH MAY 2026
IN PERSON TRAINING
AT THE LAKE
NAIVASHA RESORT

20
CPDs

CHARGES:

Kshs. 200,000

(Including examination and certification)

Payments are to be made upfront to access the training materials

Cost is exclusive of accommodation

Payment Deadline: 31st March, 2026

CLICK HERE TO REGISTER

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TRAINERS' BIO



MARY WATHIEGENI CHEGE

EA REPRESENTATIVE
AND LEAD TRAINER

Bachelor of Laws (LL.B) | University of Nairobi, Kenya, 1998
Master of Laws (LL.M) | University of Witwatersrand, South Africa, 2001

- 25 years experience in multi-jurisdictional teams at every stage of project development ranging from project feasibility and due diligence investigations through to drafting and negotiation of key project and transaction agreements, financing agreements and security documentation.
- Strong legal, regulatory and transaction advisory experience in energy, infrastructure, urban development sectors
- Expertise in Project Finance PPP & Blended Finance Advisory, Project feasibility studies, Project SPV Structuring & Formation, Municipal & Subnational Financial Advisory, Market Entry due diligence for foreign direct investors, Project Structuring, Legal & Regulatory Project Risk Assessments and Drafting Project & Transaction Agreements, Financing Agreements & Security Documentation
- Has advised on various projects ranging from large scale irrigation and agriculture, power generation plants, cross-border gas pipelines, bulk fuel storage, and handling facilities as well as BRT and Broadband Network projects at different stages of development
- Ranked as leading lawyer in the Energy & Projects Sector - Kenya by Chambers & Partners (2018 - 2025)
- Practising Advocate of the High Court of Kenya and serves as a guest PPP lecturer at Strathmore University's Law School and Business School in Nairobi, Kenya.



ANDRE KRUGER

CEO AND LEAD TRAINER

Baccalaureus Commerce | University of South Africa, 1986
Master of Business Administration | University of Pretoria Business School, South Africa, 1987

- More than 40 years of banking experience, in particular with public sector clients in Africa, including municipalities
- Close to 20 years of capacity building, lecturing and training experience in infrastructure financing, credit structuring, project finance and public sector financing options
- Hands-on experience in infrastructure and utility project financing all over Africa
- Client orientation and capacity to manage, support and guide public sector clients including (secondary) cities
- Longstanding experience in capacity building for more than 40 intermediary cities to improve their financial capacities
- Well-established and connected PPP and infrastructure financing specialist
- Delivered financial consulting services to governments and international development organisations e.g., IFC, SIDAS/SIWI, USAID WashFin, UK Prosperity Fund, UK/China Infrastructure Alliance, European Investment Bank, and the World Bank.

CLICK HERE TO REGISTER

UPCOMING EVENTS

TRAINING





GREEN BUILDINGS AND SUSTAINABLE INFRASTRUCTURE TRAINING

The training incorporates a one day LEED Certification Preparation Course that prepares you for the LEED exam and certification

Date: **18th-22nd May, 2026**
Venue: **Lake Naivasha Resort**

CHARGES:

Members	Ksh 70,000
Non-Members	Ksh 75,000

Price is exclusive of accommodation

18
CPDs

CLICK HERE TO REGISTER

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INDUSTRIAL VISIT






ROAM ELECTRIC

Roam is pioneering electric mobility company in Africa starting in Kenya, with a mission to deliver low-cost, low-emission transport solutions designed for the realities of emerging markets.

Roam's electric motorcycles and buses tackle Africa's daily transport demands while cutting emissions and costs; built for scale, sustainability, and local impact.

4
CPDs

CHARGES: MEMBERS: KSH 2,000
NON MEMBERS AND MEMBERS NOT IN GOOD STANDING: KSH 2,500

17TH APRIL 2026 | 8.00AM

CLICK HERE TO REGISTER

WHAT TO EXPECT: >>>

- Tour the assembly line.
- Learn about electric mobility technologies -including battery systems and vehicle integration.
- Engage with the engineering team on manufacturing and clean transport solutions tailored for the Kenyan market.

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TECHNICAL TOUR






NUMERICAL MACHINING COMPLEX LIMITED

Numerical Machining Complex (NMC) is a leading engineering firm in Kenya, specializing in the manufacture of high-quality machinery, machine tools, and components, established to support the country's industrialization efforts.

CHARGES: MEMBERS: KSH 1,500
NON MEMBERS AND MEMBERS NOT IN GOOD STANDING: KSH 2,000
(Only 25 slots available)

2ND APRIL, 2026 | 8.00AM

CLICK HERE TO REGISTER

4
CPDs

CLICK HERE TO REGISTER

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CALL FOR SUBMISSION OF SHORT CLIPS FROM IEK MEMBERS

Submit a short (max. 120 seconds) video explaining:

- Name and discipline
- Workplace or project
- Role you play
- Impact of your work on society

TAGLINE: _____

**PROUD ENGINEER.
"ENGINEERING IMPACT.
NATIONAL IMPACT."**

OBJECTIVE

The objective is to strengthen public confidence, and professional visibility

- Showcase diversity across engineering disciplines
- Highlight engineers' contribution to national development
- Inspire young professionals and students
- Strengthen IEK brand visibility and public engagement

CLICK HERE TO SUBMIT

OR SCAN QR CODE



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TRAINING



**FIDIC CERTIFIED
CONTRACT MANAGER
TRAINING**

June 22nd-26th, 2026
Lake Naivasha Resort

Charges:

Ksh. 75,000 for members
Ksh.80,000 for non-members
Price is exclusive of accommodation

CLICK HERE TO REGISTER

**18
CPDs**

Target Audience: Engineers, Lawyers, Architects, Quantity Surveyors,
Construction Project Managers and Built Environment Professionals.

IMPORTANT UPDATES



IEK CALENDAR OF EVENTS 2026

CLICK HERE TO ACCESS



THE SITE INSPECTION HANDBOOK

The site inspection handbook standardizes and strengthens the way site inspections are carried out across the country. Its also aimed at improving engineering project oversight and ensuring adherence to best practices.



Paybill: 976295

Account: SIH

Standard Chartered Bank

Account Name: INSTITUTION OF ENGINEERS OF KENYA

**Account Number:
0102024134900**

Pick up point:

**IEK offices, Top Plaza
Kindaruma Road**

Delivery:

**Ranges from Ksh.500-
1,000 depending on
weight and location**



TheIEK



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| iek@iekenya.org | www.iekenya.org



The Institution of Engineers of Kenya (IEK) is on



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The Institution of Engineers of Kenya



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The Institution of Engineers of Kenya

Follow Us
to stay updated on key developments and initiatives championing engineers in Kenya



YOU CAN NOW MAKE SECURE ONLINE CARD PAYMENTS TO IEK



**CLICK HERE TO MAKE
PAYMENTS**

IMPORTANT UPDATES

Join The

IEK BENEVOLENT FUND SCHEME - 2025/2026

Starting at Ksh. 2,100 for 10 family members

[CLICK HERE TO REGISTER](#)

FOR CONTRIBUTIONS:

MPESA PAYBILL: 4093353
ACCOUNT NO. Member No.+ BFS

Renewing Members: Refer to the invoices shared on email or contact IEK secretariat for more information.

Note:
Administration charges: premiums less than Kes 10,000 add a fee of Kes 500; premiums greater than Kes 10,000 add a fee of Kes 1,000

Terms and Conditions Apply

#STRONGERTOGETHER
#MembersWelfare

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OBJECTIVES OF THE FUND

- Pay a token of last expenses of deceased members/ or their families.
- Supplement last expense budgets.
- Assist with financial needs associated with the loss of life.
- Contribute to member's wellbeing during demise or loss of dependents.

FUND COVERS

- Principal IEK member
- Spouse(s)
- Children
- Parents and Parents in Law of the member

PREMIUM RATES (PER FAMILY)

The applicable rates of premium (2024/25) per benefit option are detailed below:

Category Main Package	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7
Principal Member	50,000	100,000	150,000	200,000	300,000	400,000	500,000
Spouses (Max 1 per member)	50,000	100,000	150,000	200,000	300,000	400,000	500,000
Children (Max 4 per member)	50,000	100,000	100,000	200,000	200,000	200,000	200,000
Parents & Parents in Law (Max 4 per member)	50,000	100,000	150,000	150,000	150,000	150,000	150,000
Renewal Annual Premium per Family	2,100	4,200	6,300	7,700	11,200	14,560	16,800
Parents & Parents in law - Age 81 to 90 Years	1,820	3,220	5,880	5,880	5,880	5,880	5,880
Additional Premium per Child (KES)	350	700	700	1,400	1,400	1,400	1,400
Individual Principal Members - Age 21- 50 years	420	700	1,050	1,680	2,520	3,920	5,600
Principal Members - Age 71 to 80 Years	1,680	3,080	5,740	5,740	5,740	5,740	5,740

Note:

- Administration charges: premiums less than Kes 10,000 add a fee of Kes 500; premiums greater than Kes 10,000 add a fee of Kes 1,000

FOR CONTRIBUTIONS:

MPESA PAYBILL: 4093353 | ACCOUNT NO. Member No.+ BFS

[NEW MEMBERS CLICK HERE TO REGISTER FOR BENEVOLENT FUND](#)

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The IEK invites new members to join the Benevolent Fund Scheme (BFS) for the 2024/25 period. By enrolling, you contribute to our community's dedication to mutual care and resilience

[CLICK HERE TO REGISTER FOR BENEVOLENT FUND](#)



CALL FOR MEMBERSHIP

Advocacy for engineers by the institution

Professional development eg training, industrial tours etc

Networking during IEK activities

Nomination to represent the engineering fraternity through nominations by the institution eg on boards, national committees etc.

Welfare tools (benevolent fund and Medicare scheme)

Regular updates on engineering trends and issues throughout the newsletter

Awards and accolades

MEMBERSHIP

- | | | |
|---------------------|-----------------------------|--------------------------------------|
| a. Honorary | e. Associate | i. Graduate Engineering Technologist |
| b. Fellow | f. Engineering Technologist | j. Graduate Engineering Technician |
| c. Corporate Member | g. Engineering Technician | k. Student |
| d. Companion | h. Graduate Engineer | |

[CLICK HERE TO VIEW BENEFITS](#)

To Apply Visit members.iekenya.org

GET YOUR IEK MERCHANDISE

Get Your IEK Merch



HAT



1,000/=

POLO SHIRT



1,500/=

Available
Colours



HOODIE



2,500/=

Available
Colours



ZIPPED HOODIE



2,500/=

Available
Colours



LAPEL PINS



1,000/=

SITE INSPECTION HANDBOOK



2,000/=

LIPA NA mpesa

PAYBILL No: 976295

ACCOUNT: Merch

Standard Chartered Bank

ACCOUNT NAME:

INSTITUTION OF ENGINEERS OF KENYA

ACCOUNT NUMBER:

0102024134900

Pick up point: IEK offices, Top Plaza, Kindaruma Road

Delivery: Ranges from Ksh. 500 – 1,000 depending on weight and location

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IMPORTANT UPDATES



REWARD MECHANISM FOR MEMBERS SUPPORTING RESOURCE MOBILIZATION

Each mobilized resource is tied to a specific event, and members may choose either a delegate fee waiver or a 5% commission.

AMOUNT MOBILIZED (KES.)	DELEGATE FEE WAIVER
100,000 - 249,999	25% waiver
250,000 - 499,999	50% waiver
500,000 - 999,999	75% waiver
1,000,000 and above	100% waiver

Integrity: Members will not be allowed to mobilize funds from their current employers or organizations where they work, particularly if these are regular or existing IEK partners, to avoid conflicts of interest.

Existing Partners: Contributions from existing or regular IEK partners will be excluded from the incentive scheme. This is intended to motivate members to pursue new partnerships and grow IEK's funding base.

Terms and Conditions, including applicable taxes, apply.

IMPORTANT UPDATES



Join MHANDISI BORA MEDICARE SCHEME

AAR MEDICAL INSURANCE RATES - 2026/2027

INPATIENT	M+0	M+1	M+2	M+3	M+4	M+5	M+6
10,000,000	75,840	119,262	144,438	162,752	177,437	189,776	202,117
7,000,000	68,810	107,465	130,814	147,833	161,503	173,014	184,526
5,000,000	63,612	98,745	120,744	136,806	149,727	160,626	171,524
3,000,000	50,170	80,597	100,397	114,916	126,633	136,549	146,468
2,000,000	46,354	74,506	93,300	107,113	118,280	127,747	137,213
1,000,000	40,955	66,360	83,955	96,938	107,460	116,403	125,348

OUTPATIENT	M+0	M+1	M+2	M+3	M+4	M+5	M+6
250,000	86,411	136,661	174,773	212,388	250,000	250,000	250,000
200,000	80,222	126,366	159,200	191,540	200,000	200,000	200,000
150,000	74,034	116,071	143,629	150,000	150,000	150,000	150,000
100,000	67,845	100,000	100,000	100,000	100,000	100,000	100,000
100,000	67,845	100,000	100,000	100,000	100,000	100,000	100,000
100,000	67,845	100,000	100,000	100,000	100,000	100,000	100,000

**CLICK HERE TO VIEW
AAR COVER BENEFITS**

**CLICK HERE TO VIEW AAR
PANEL OF PROVIDERS**

PAYMENT DETAILS:

Mpesa Pay bill: **4093353**

A/c no is: **IEK Member No AAR e.g M.1000AAR**

*A co-pay of 1,000 will be applicable to tier 1 providers on outpatient.
Inpatient cases to tier 1 providers will be subject to referral.*

CONTACT:

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**NEW JOINERS,
SCAN TO REGISTER**



<https://go.iekenya.org/medicare>

IMPORTANT UPDATES



MENTAL HEALTH SUPPORT



Toll Free Hotline 1199 for free 24/7 tele-therapy/counselling and psychosocial support



Chat-Care (free)

<https://www.facebook.com/RedCrossKE>



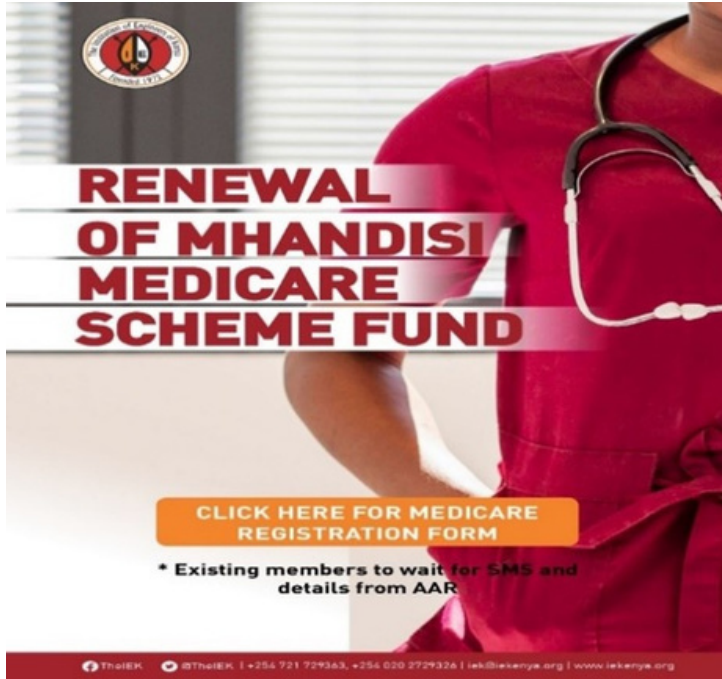
www.redcross.or.ke



<https://t.me/KenyaRedCrossBot>



IMPORTANT UPDATES



RENEWAL OF MHANDISI MEDICARE SCHEME FUND

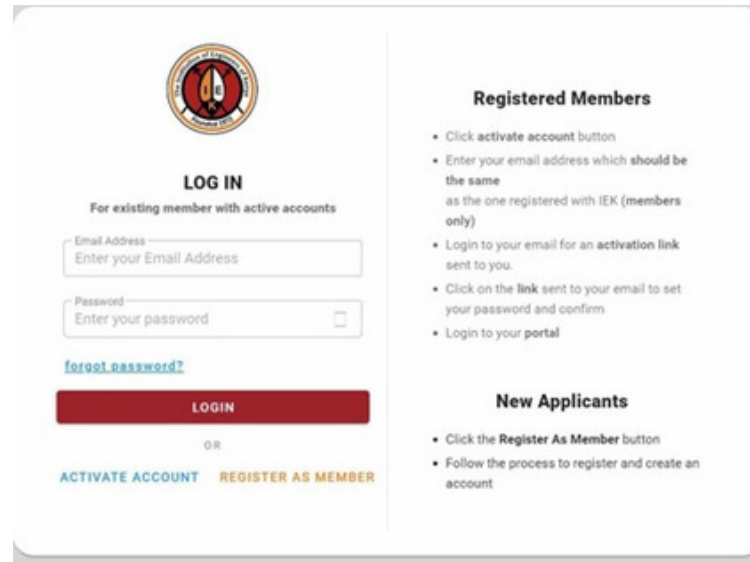
We extend an invitation for you to renew your Mhandisi Medicare Scheme Fund.

The Medicare Registration Form can be accessed [here](#).

Please be advised that existing members should anticipate receiving a detailed SMS with pertinent information from AAR.

Your prompt attention to the renewal process ensures uninterrupted access to the comprehensive healthcare benefits provided by Mhandisi Medicare Scheme Fund.

Thank you for your continued trust and participation in our healthcare program



NEW MEMBERSHIP PORTAL

The new integrated IEK membership management system offers convenience, accessibility, and improved services for you our valued members. **Members are encouraged to update their details by clicking [here](#) to activate their portals and access services on the go.**

By activating your portal, you can among others access:

- Digital membership [application](#)
- Streamlined events registration
- Instant receipts and invoices
- Streamlined CPD tracking

Kindly take note that we are no longer accepting manual applications as we are 100% paperless.

IMPORTANT UPDATES



IEK RETIRED ENGINEERS' FEE REMISSION POLICY

The Institution of Engineers of Kenya (IEK) acknowledges the significant contributions of its members throughout their careers. Recognizing the transition into retirement, IEK has established a tailored fee remission structure for retired engineers.



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IEK RETIRED ENGINEERS' FEE REMISSION POLICY

At IEK, we deeply appreciate the invaluable contributions of our members throughout their careers. To honor their transition into retirement, we have developed a special fee remission structure specifically for retired engineers.

Click [here](#) to view the policy and application form.

IMPORTANT UPDATES



ENGINEERING IN KENYA MAGAZINE

The 25th Issue of Engineering in Kenya Magazine is officially out.

This edition, themed “Celebrating Raila Odinga,” honors the legacy and impact of the Late Rt. Hon. (Eng). Raila Amolo Odinga C.G.H, E.G.H, FIEK, through the lens of engineering, leadership and technical development.

Members are encouraged to read, share, and engage with this commemorative edition.

[Click here to get your copy.](#)

MEMBERSHIP SUBSCRIPTION

We would like to thank our members for their continued support and commitment to the Institution. Remember you can renew your annual subscription by making your payment today through:

- Mpesa pay bill number 976295 Account number- Your Invoice Number.

By cheque in favor of the Institution of Engineers of Kenya (Personal cheques not acceptable). **We are always happy to assist!**

IEK MERCHANDISE

Don't be left out!

Get your IEK branded merchandise delivered to you by making your payment to MPESA **Pay Bill number: 976295**

Account number: Merch

Hoodie: Ksh 2500

T-shirts: Ksh 1500

Caps: Ksh 1000





CONTACT US

 (+254) 202 729 326, 0721 729 363

 iek@iekenya.org

 Top Plaza, Kindaruma Road

IEK Benevolent Fund Registration | [Register](#)

Mhandisi Medicare Fund | [Apply](#)

Mhandisi Sacco Membership | [Apply](#)

Mhandisi Sacco Nominee Update | [Click Here](#)

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The Engineering in Kenya Magazine is published by the Institution of Engineers of Kenya (IEK). The magazine has a wide audience amongst Engineering professionals and beyond, including stakeholders and policy makers both in public and private corporate entities.

Advertising with us will bring you to the attention of these stakeholders and give you the opportunity to grow your market. Our print run is 3,000 hardcopies and over 229,000 in digital circulation, bimonthly.

Get noticed in our next edition. Reach out to the IEK secretariat on 020 2729326; 020 2716922 or via email to: editor@iekenya.org

Yours faithfully,
Eng. Jacton Mwembe, PE, MIEK
Honorary Secretary
The Institution of Engineers of Kenya

