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From the Registrar's Desk



Eng. Margaret Ogai
Registrar/CEO
Engineers Board of Kenya

It gives me great pleasure to present this quarter's highlights as we continue to make strides towards excellence in service delivery, regulation, and capacity building within the engineering profession. Over the past few months, the Engineers Board of Kenya (EBK) has not only expanded its influence and deepened its commitment to upholding engineering standards but also achieved significant milestones.

One of the key achievements this quarter is EBK's ISO certification for Quality Management Systems (QMS). This certification reinforces our commitment to delivering services of the highest quality while ensuring our processes align with internationally recognized standards.

The Board has also been registered as a Data Controller by the Office of the Data Protection Commissioner, a pivotal achievement in our commitment to securing and managing personal data responsibly. With this recognition, EBK takes on a critical role in safeguarding stakeholder information, ensuring transparency and compliance with the Data Protection Act, 2019.

We completed the vetting and negotiations for our Performance Contract for the Financial Year 2024/2025, aligning with our recently launched Strategic Plan, which supports Kenya's Vision 2030 and the government's BETA agenda. This performance contract sets the foundation for achieving excellence, with clear and effective targets guiding us toward delivering sustainable solutions for Kenya's engineering sector.

One of our focus areas has been fostering innovation and aligning engineering education with industry needs. Our participation in various high-level forums such as the IET-K/ KETRB Solution-Based Innovation Conference and the 3rd ACEK Annual Convention emphasized the significance of engineering in driving socio-economic transformation through innovation. These engagements provided a platform to explore cutting-edge technologies and collaborative efforts aimed at elevating Kenya's engineering standards. EBK continues to strengthen its focus on compliance and regulatory oversight. At the just concluded NCA iCORCE Conference, we addressed the importance of adherence to engineering regulations and the enforcement of safety standards.

The National Research Festival 2024 was another highlight, where we showcased EBK's commitment to



The Engineers Board of Kenya achieved ISO certification, Data Controller registration, and advanced engineering standards through innovation, compliance, capacity building, and strategic partnerships.

advancing research and innovation. The event brought together young and seasoned scientists, reaffirming our belief in the transformative power of research collaborations for Kenya's socio-economic development.

In support of professional development, EBK organized several capacity-building initiatives, including Academia-based and Agency-based training workshops for graduate engineers across various institutions. These sessions were designed to equip graduate engineers with the necessary tools to prepare for professional registration, addressing the shortage of registered engineers in the country.

Our ongoing efforts to accede to the Washington Accord remain a strategic priority as we aim to align our engineering qualifications with international standards. This quarter, we successfully conducted a training workshop for assessors on Washington Accord standards. The workshop aimed to enhance the assessors' capacity to effectively apply the approved Engineering Accreditation Standards and Guidelines for Evaluators.

We had the privilege of also participating at the Kenya Property Development Association Conference where we underscored the Boards contribution in shaping sustainable urban development. We remain steadfast in our efforts to review building codes, encourage the adoption of new technologies, and ensure that registered engineers are at the forefront of Kenya's real estate boom.

Eng. Margaret Ogai
Registrar/CEO
Engineers Board of Kenya

ISO Certification: A Milestone in Quality Management



The Engineers Board of Kenya (EBK) has achieved ISO certification for Quality Management Systems, a major milestone in our journey towards excellence. This certification underlines our commitment to delivering high-quality services, ensuring that all our processes align with internationally recognized quality management standards.

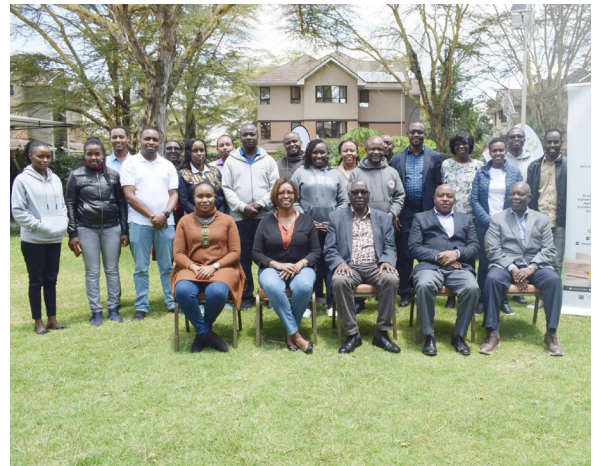
The ISO certification not only affirms our dedication to best practices in the engineering profession but also reinforces our focus on integrity, customer-centricity, and operational excellence. Our clients, stakeholders, and the wider public can trust that the services and oversight provided by EBK adhere to rigorous quality management frameworks.

This certification was officially received by our Chairman, Eng. Erastus Mwongera, during the commemoration of the 50th anniversary of the Kenya Bureau of Standards (KEBS) and the World Standards Day celebrations.

Performance Contracting: Enhancing Service Delivery

At the beginning of the quarter, the Board successfully completed the vetting and negotiations for the Performance Contracting period of the Financial Year 2024/2025. By establishing clear and measurable targets, the Board is aligning its operations with its core mission of enhancing the engineering profession in Kenya. This process not only demonstrates our commitment to continuous improvement but also ensures that we remain adaptable in embracing new technologies and methodologies to meet the changing needs of our stakeholders.

This achievement is closely aligned with the recent launch of the Board's Strategic Plan, which is intricately designed to support Kenya's Vision 2030 and the government's BETA agenda. Through this performance contract, we are reinforcing our commitment to contributing to Kenya's socio-economic development by fostering a robust engineering sector that drives innovation, industrialization, and sustainable development.



EBK Launches Harmonized Examination Templates

In a significant step toward achieving its strategic goal of registering 10,000 engineers in the next five years, the Board has introduced harmonized professional examination templates. These templates are designed to assist graduate engineers in preparing their reports for the Professional Engineer (PE) registration process, offering a streamlined approach for applicants across all engineering disciplines.

The new templates provide clarity and uniformity in the preparation of examination reports, ensuring that all candidates

follow a consistent format. This initiative not only simplifies the process but also enhances the quality of submissions, helping applicants meet the Board's standards with greater ease.

By introducing these harmonized templates, EBK is paving the way for a smoother and more efficient path to professional registration.

The report templates are available and can be accessed on the Board's website at www.ebk.go.ke.

EBK Recognized as a Data Controller

The Engineers Board of Kenya (EBK) achieved another milestone in its commitment to safeguarding personal data by being officially registered as a Data Controller by the Office of the Data Protection Commissioner. This recognition is testament to the Board's dedication to upholding the highest standards of data privacy and security in compliance with the Data Protection Act, 2019.

As a Data Controller, EBK now takes on the critical responsibility of ensuring that all personal information collected, processed, and stored during its operations is handled in a secure, transparent, and lawful manner. This development reinforces the Board's commitment to protecting the privacy rights of its stakeholders, including registered engineers, graduate engineers, employees, and the public.

EBK recognizes the growing importance of data protection, particularly in a digital age where personal information is integral to delivering quality services. This registration ensures that the Board not only complies with national and international standards but also promotes trust among stakeholders by maintaining the integrity and confidentiality of their personal data.

EBK Hosts Workshop on Exam Report Preparation.

A training workshop targeting participants from key agencies such as the Kenya Rural Roads Authority, Kenya Civil Aviation Authority, Kenya Bureau of Standards, National Irrigation Authority, Kenya Institute of Highways and Building Technology, Kenya Ports Authority, Nyandarua County Government, and Umakant International Limited was conducted by the Engineers Board of Kenya (EBK) from August 23rd to 27th, 2024. The workshop focused on preparing professional examination reports, a crucial step in helping graduate engineers transition to becoming fully registered professionals.



Academia-Based Workshop Launched



In August, the Board held a three-day training workshop at Jomo Kenyatta University of Agriculture and Technology (JKUAT) to guide graduate engineers on preparing professional examination reports. The workshop attracted over 150 participants from universities across Kenya, including JKUAT, Kenyatta University, the University of Nairobi, and several others.

Prof. Bernard Ikua, JKUAT's Deputy Vice-Chancellor of Administration, welcomed the attendees and expressed his gratitude to the EBK for selecting JKUAT as the host institution. He encouraged the engineers to overcome any misconceptions about the registration process, praising their aspirations to become professional engineers.

EBK Chairman, Eng. Erastus Mwongera, applauded the strong turnout and the positive response to the workshop. He

encouraged the participants to set a positive example for their peers and outlined EBK's ongoing initiatives, including the establishment of the Kenya School of Engineering to address curriculum gaps.

EBK Registrar, Eng. Margaret Ogai, emphasized the importance of professional development, particularly for lecturers who have not yet transitioned to professional engineer status. She reiterated the Board's commitment to supporting academic engineers through workshops and industry placements.

Prof. Edwin Ataro, Dean at the Technical University of Kenya, urged attendees to make the most of the workshop and work diligently on their reports for registration. He commended EBK's efforts to provide such practical training opportunities for graduate engineers.

Eng. Faith Mutuku, EBK's Manager of Registration and Licensing, informed participants on the availability of report templates on the Board's website and emphasized the importance of a collective effort to increase the number of professional engineers in Kenya. She noted that 474 engineers had been registered in the last financial year and reaffirmed the Board's goal of expanding that number.

The workshop received positive feedback, with participants, including Eng. Dr. Hiram Ndiritu, commending the facilitators for simplifying the registration process and assuring participants that professional examinations are manageable.

Strengthening Engineering Education Across Universities

The Engineers Board of Kenya (EBK), led by Chairman Eng. Erastus Mwongera and Registrar Eng. Margaret Ogai, recently embarked on a series of strategic visits to Meru University of Science and Technology (MUST), Chuka University, and the University of Embu. These engagements aimed at advancing the recognition of engineering programs while fostering stronger partnerships between EBK and Academia.

At Meru University, discussions with Vice-Chancellor Prof. Romanus Odhiambo focused on the university's efforts to develop six new engineering programs. Eng. Mwongera emphasized the critical importance of meeting EBK's accreditation standards and proposed that infrastructure project budgets incorporate provisions for employing graduate engineers to address both quality assurance and unemployment concerns. Prof. Odhiambo reiterated the university's commitment to aligning its programs with EBK's standards, and Registrar Eng. Ogai assured continuous support from the Board throughout the accreditation process.

The visit to Chuka University involved a roundtable discussion with the Faculty of Engineering staff, where potential collaborations in information sharing, research promotion, and curriculum enhancement were explored. Deputy Vice-Chancellor Prof. Gilbert Nduru, speaking on behalf of the Vice-Chancellor, lauded EBK's dedication to raising engineering standards across the country. He affirmed Chuka University's commitment to producing highly skilled engineers who will drive Kenya's technological and infrastructural progress.

Similarly, at the University of Embu, EBK engaged with senior university leadership to discuss ways of strengthening its engineering programs. Prof. Kiplagat Kotut, Deputy Vice-Chancellor for Academics, Research, and Extension, expressed gratitude for EBK's guidance and highlighted the importance of partnerships in advancing engineering education. Eng. Mwongera underscored the role of accreditation in maintaining high-quality standards, urging the university to align its programs with international benchmarks. Registrar Eng. Ogai reaffirmed EBK's commitment to providing technical support and noted the ongoing collaboration with the Commission for University Education (CUE) to address gaps in engineering education.



Promoting National Values and Governance Principles

The State Department for Roads held a workshop to prepare the 11th President's Report on National Values and Principles of Governance. This report highlights the government's achievements in promoting national values and governance principles across the public sector, as mandated by Article 10 of the Constitution.

The report covers key projects, programs, and policies, as well as legal, institutional, and administrative measures taken by Ministries, Departments, and Agencies (MDAs). These efforts demonstrate the government's commitment to fostering good governance, accountability, and national cohesion.

During the 2022/23 reporting period, the Executive Office of the President, through the Directorate of National Values and Cohesion, received 508 reports from MDAs—marking a significant increase from the 429 submissions in the previous year. This improvement in both the quantity and quality of reports is attributed to robust capacity-building initiatives, including training, advocacy, and sensitization efforts aimed

at strengthening adherence to national values and governance principles.

In the previous year, the State Department for Roads distinguished itself with exemplary performance in upholding national values and governance principles, setting a standard for other MDAs. The upcoming report is expected to reflect continued progress in aligning infrastructure development with these core values.



Independent Review at Kenyatta University

Kenyatta University hosted the Engineers Board of Kenya (EBK) for an independent review of its Bachelor of Science in Petroleum Engineering program. The review focused on ensuring the program meets both industry and regulatory standards.

EBK Chairman Eng. Erastus Mwongera commended the university for resubmitting the program for recognition and praised its proactive efforts to enhance curriculum, faculty expertise, and facilities. He emphasized the importance of collaboration with the Commission for University Education to advance accreditation and educational standards.

Registrar Eng. Margaret Ogai highlighted Section 7(1)(i) of the Engineers Act 2011, which empowers EBK to evaluate both local and foreign engineering programs. She expressed gratitude for the university's commitment to maintaining high standards in engineering education.

The Chairman of the Academic Qualification Committee, Eng. Prof. Sylvester Abuodha, stressed the global requirement for



engineering programs to be evaluated for recognition and appreciated the university's acknowledgment of the Board's role in upholding these standards.

The Vice-Chancellor expressed appreciation for EBK's efforts and pledged to ensure full compliance with engineering standards while working closely with the Board to achieve program recognition and accreditation.

Taita Taveta University Programs Reviewed

Taita Taveta University hosted a delegation from the Board, led by Chairman Eng. Erastus Mwongera, to review its engineering programs submitted for recognition. Eng. Mwongera commended the university's proactive steps in submitting these programs following a courtesy visit by the Board in 2023.

He highlighted the Board's collaboration with the Commission for University Education to address accreditation issues and streamline recognition processes for academic programs. The meeting emphasized the importance of securing a unified accreditation and licensing mechanism, with mandatory participation from relevant professional bodies.

Eng. Prof. Sylvester Abuodha, Chairman of the Academic Qualifications Committee, praised Taita Taveta University for recognizing the Board's role in maintaining engineering education standards. He reiterated the importance of accreditation in achieving desired graduate attributes.



Registrar Eng. Margaret Ogai affirmed the Board's commitment to upholding high standards in engineering education and outlined a strategic plan to increase the number of registered professional engineers from 4,000 to 10,000 over the next five years. She noted that the Board has already recognized 66 engineering programs and plans to continue reviewing outstanding submissions.

Schneider Electric Partners with the Board

On August 15, 2024, the Engineers Board of Kenya (EBK) visited Schneider Electric East Africa as part of the Catalyst Connect program, an initiative designed to equip young engineers with life skills, well-being strategies, and a foundation in Environmental, Social, and Governance (ESG) principles.

Led by Director of Capacity Building and Accreditation, Eng. Grace Onyango, the EBK team met with Schneider Electric's Country President for East Africa, Ifeayi Odoh, to discuss strengthening collaboration and supporting graduate engineers transitioning to professional status. Eng. Onyango commended Schneider Electric's commitment to nurturing young talent and praised past collaborations on capacity-building initiatives.

Ifeayi Odoh emphasized the importance of quality and safety in engineering, advocating for stronger networks with local

companies and regulatory support for local content. Both parties expressed optimism about continuing their partnership to elevate engineering standards and advance the careers of Kenya's future engineers.



IET-K/KETRB Solution-Based Innovation Conference



Participating in a panel discussion on “Reinforcing the Engineering Profession,” Registrar Eng. Margaret Ogai emphasized the crucial role of innovation in shaping the nation’s future during the IET-K/KETRB Solution-Based Innovation Conference held from August 7 to 9, 2024, in Naivasha. She highlighted the commitment of regulatory bodies to create an environment that encourages creativity and ingenuity within the engineering sector.

“This conference serves as a vital platform for developing policy interventions that benefit the engineering profession,” Eng. Ogai stated. “Regulators recognize the pivotal role of innovation in shaping our nation’s future and are dedicated to nurturing a space where creativity can flourish.” She expressed confidence that the event would inspire new ideas, foster meaningful collaborations, and propel Kenya towards a technologically advanced and industrialized future.

Mrs Alice Mutai, KETRB’s CEO praised the collaboration between EBK and the Kenya Engineering Technology Registration Board (KETRB), noting that their shared goals enhance efficiency within the engineering sector. “Engineers and technologists need to work together to elevate the quality of engineering work,” she emphasized.

The discussions concluded with a resolution for both EBK and KETRB to continue their collaborative efforts to enhance engineering standards across Kenya.

State Department For Higher Education And Research Partners Hosts EBK



On August 19, 2024, the Engineers Board of Kenya (EBK) held a key meeting with Dr. Beatrice Inyangala, Principal Secretary of the State Department for Higher Education and Research, to discuss collaboration on advancing engineering education. EBK Chairman, Eng. Erastus Mwongera, highlighted

the Board’s mandate in upholding engineering standards and the importance of university program recognition, citing a recent High Court ruling affirming EBK’s role in accreditation.

Eng. Mwongera revealed that EBK plans to evaluate programs in four Kenyan universities as part of its efforts to join the Washington Accord by 2025. Registrar, Eng. Margaret Ogai, mentioned the Board’s new pathways for technologists transitioning into engineering, developed in partnership with the Kenya School of Engineering.

Dr. Inyangala welcomed the collaboration, reaffirming the ministry’s commitment to promoting STEM education and advising EBK to include prior learning in their accreditation processes.

Kenya Property Development Association Conference (KPDA)

The 2024 Annual Kenya Property Development Association (KPDA) Conference, held today, spotlighted the critical role of local engineers and key stakeholders in advancing affordable housing and sustainable property development in Kenya. The event, themed “Building Tomorrow: Real Estate as a Catalyst for Sustainable Urban Futures,” brought together leaders from across the real estate and construction sectors to discuss innovative solutions for Kenya’s urban challenges.

In a panel session on “Sustainable Design and Construction”, EBK’s Registrar/CEO Eng. Margaret Ogai emphasized the Board’s ongoing efforts to promote best practices in the industry. She highlighted EBK’s collaboration with the Ministry of Lands, Housing, and Urban Development to revise and update building codes in line with international standards for sustainable design and construction. “We are also working with professional bodies to promote the adoption of emerging technologies through workshops and training programs,” Eng. Ogai noted.



Eng. Ogai stressed the need for property developers to uphold high standards in every project, with a particular focus on improving the quality of life for all citizens.

National Research Festival (NRF) 2024 Launched

The National Research Fund (NRF) of Kenya, in collaboration with Young Scientists Kenya (YSK), hosted the inaugural Kenya National Research Festival (KNRF) in August, 2024. Themed “Research Partnerships and Collaborations for Socio-Economic Transformation,” the event spotlighted Kenya’s vibrant research and innovation landscape, providing a platform for both young and established scientists to showcase their cutting-edge projects and opportunities for collaboration. Researchers presented abstracts and posters across a wide range of disciplines, underscoring the festival’s comprehensive scope.

The festival’s thematic areas spanned Health and Life Sciences, Agriculture and Food Security, Manufacturing and Engineering, Renewable and Non-renewable Energy, Natural Resources, Climate Change and Adaptation, Education and Social Sciences, Digital Transformation, Transport, Critical National Infrastructure, and Sustainability, Safety, and Resilience.



Eng. Grace Onyango, Director of Capacity Building and Accreditation at EBK, spoke on the Board’s role in regulating and promoting engineering standards in Kenya. She emphasized the importance of quality education and the critical role that accredited institutions play in shaping the country’s future engineers. Eng. Onyango encouraged students to pursue Science, Technology, Engineering, and Mathematics (STEM) courses, noting that these disciplines form the backbone of innovation and economic growth.

EBK Participates in the Nairobi International Trade Fair

The Engineers Board of Kenya (EBK) took part in the 2024 Nairobi International Trade Fair, hosted by the Agricultural Society of Kenya (ASK). The week-long event, which ran from 23rd to 29th September, provided a dynamic platform for agricultural stakeholders, innovators, and engineers to converge and explore solutions to the pressing challenges in agriculture brought about by climate change.

This year’s theme, “Promoting Climate Smart Agriculture and Trade Initiatives,” could not have been timelier. With

climate change increasingly affecting food production, the fair offered a unique opportunity to showcase new technologies and innovations designed to make agriculture more resilient and sustainable. EBK, as the regulatory body for the engineering profession in Kenya, was at the forefront, highlighting the critical role engineers play in developing solutions that drive efficiency, sustainability, and climate resilience within the agricultural sector.

As the world continues to grapple with the realities of climate change, EBK remains



committed to supporting climate-smart initiatives that foster sustainable development and enhance agricultural productivity. The Board looks forward to continued collaboration with various stakeholders in pushing Kenya towards a resilient agricultural future.

Engineers Challenged to Bridge Academia-Industry Gap

The 3rd Annual Association of Consulting Engineers of Kenya (ACEK) Convention brought together over 350 delegates to bridge the gap between engineering academia and industry, addressing real-world challenges. The event focused on the future of the engineering profession and its sustainability.

In his keynote address, EBK Chairman Eng. Erastus Mwongera urged participants to embrace innovation and leadership to secure the future of engineering. “The future of engineering,”

he remarked, “rests in our ability to innovate and lead. By working together and fostering collaboration, we can build a more resilient engineering profession capable of meeting the demands of the modern world.”

With only 584 registered consulting engineers in Kenya, Eng. Mwongera underscored the need to boost professional productivity, particularly in an era shaped by rapid technological advancements. He called on the engineering community to harness these

opportunities and drive progress through cutting-edge solutions and collaboration between academia and industry.



EBK Highlights Need for Compliance in the Construction Sector

During the 5th International Construction Research Conference and Exhibition (ICORCE) hosted by the National Construction Authority (NCA), Engineers Board of Kenya (EBK) Registrar/CEO Eng. Margaret Ogai called for stricter adherence to regulations in Kenya's construction industry. Addressing stakeholders in the built environment, Eng. Ogai emphasized the critical need for professionals to comply with existing laws, as county-based inspections revealed alarming statistics.

Speaking during the session on "Engineering Education and Compliance," Eng. Ogai noted that Kenya's real estate boom—particularly in cities like Nairobi, Mombasa, and Kisumu—has led to an average annual growth rate of 5.5% in the construction sector over the past five years. However, this growth has come at a

high cost: since 2014, over 100 buildings have collapsed, resulting in more than 300 fatalities. She stressed the urgency of ensuring that professionals in the construction industry follow safety standards and regulatory frameworks, especially as urbanization accelerates.

Eng. Ogai emphasized the need for better data integration between professional

bodies, stronger governance through ethical practices, and comprehensive engineering policies to address ongoing challenges in the sector. She highlighted EBK's efforts to increase the registration of engineers and enhance capacity-building initiatives, with a focus on driving compliance to improve safety and sustainability in Kenya's construction industry.



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Safe and sustainable engineering infrastructure.



To ensure production of globally competitive engineers and quality engineering services through regulation, capacity building and enforcing compliance with set engineering standards to meet the current and future needs of society.



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✓ **Customer-Centric**

✓ **Accountability**

✓ **Respect**

✓ **Excellence**

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