

Engineering *Excellence,* *That Develops Nations.*

BINH KHANH BRIDGE · BEN LUC–LONG THANH EXPRESSWAY, VIETNAM

The global arm of the Katahira Group. Japanese engineering, delivered with precision across 69 countries and over 1,000 projects since 1987.

1,000+	69	383	40
PROJECTS	COUNTRIES	ENGINEERS	YEARS

ISO 9001:2015 · JIS Q 9001:2015 · REG. NO. KEN 02-6956

PART I · OF V

Purpose.

Why KEI exists: the philosophy that turns engineering into nation-building.

IN THIS PART

01 Philosophy · 02 Our Mission

Every engineer, *a consultant.*

The philosophy that has defined the Katahira name since the firm's founding in 1970, and carried into KEI's founding in 1987: every engineer must be a true consultant in their field of expertise.

FOUNDER'S LEGACY



NOBUTAKA KATAHIRA
1913–1989

One of the firm's founders, Katahira led Japan's Meishin Expressway Department from 1957 through the completion of the country's first expressway in 1965, work that included negotiating the project's World Bank financing. He founded Katahira Engineering in 1970, and KEI was established in 1987 as its international arm. Katahira served as REAAA (Road Engineering Association of Asia & Australasia) President from 1983 to 1986, and passed away in 1989. The Katahira Award honours engineers in his memory.

That principle still shapes how KEI operates today: every assignment is led by engineers with full accountability for project delivery and full ownership of the client relationship.



Heritage Park roundabout rehabilitation
HONIARA, SOLOMON ISLANDS · MENDANA AVENUE

02 · OUR MISSION

One mission.
Since 1987.

"To support the socio-economic development of partner countries."

The founding mission of KEI, since 1987

Every alignment surveyed. Every span calculated. Every life considered. That mission still shapes every KEI assignment, from feasibility study to final handover.

PART II · OF V

Identity.

Heritage, scale, global reach, and the institutions that have placed their trust in KEI.

IN THIS PART

03 Who We Are · 04 By the Numbers · 05 Global Footprint · 06 Global Reach · 07 Trusted Partners



Metro Cebu Development Project III

CEBU, PHILIPPINES · 330 HA RECLAMATION · 4.85 KM CAUSEWAY

03 · WHO WE ARE

Japanese precision, *applied with care.*

KEI works with governments, multilateral institutions, and private partners across six regions, adapting global standards to local realities.

By the *Numbers.*

1,000+

PROJECTS COMPLETED & ONGOING

69

COUNTRIES SERVED

383

EXPERT ENGINEERS

Multidisciplinary specialists: 120 at Tokyo HQ, 263 in the Overseas Department. (as of December 2025).

40

YEARS OF EXCELLENCE

Engineered across *five continents.*

Six regions, dozens of borders, one delivery standard. Wherever development moves, KEI is there.



ASIA · OCEANIA · MIDDLE EAST · AFRICA · LATIN AMERICA · EUROPE

ASIA: *Bangladesh, Bhutan, Cambodia, China, India, Indonesia, Kazakhstan, Kyrgyz Republic, Laos, Malaysia, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Tajikistan, Thailand, Timor-Leste, Uzbekistan, Vietnam*

OCEANIA: *Kingdom of Tonga, Kiribati, Marshall Islands, Micronesia, Palau, Papua New Guinea, Samoa, Solomon Islands, Vanuatu*

MIDDLE EAST: *Afghanistan, Iran, Jordan, Lebanon, Oman, Syria, Turkey, Yemen*

AFRICA: *Côte d'Ivoire, Egypt, Ethiopia, Ghana, Guinea, Kenya, Liberia, Malawi, Mali, Mozambique, Namibia, Rwanda, Senegal, South Sudan, Sudan, Tanzania, Tunisia, Uganda, Zambia*

LATIN AMERICA: *Argentina, Bolivia, Ecuador, El Salvador, Guatemala, Honduras, Nicaragua, Paraguay, Venezuela*

EUROPE: *Armenia, Azerbaijan, Bosnia and Herzegovina*



Mombasa Gate Bridge

MOMBASA, KENYA · GATEWAY CABLE-STAYED BRIDGE

06 · GLOBAL REACH

Delivering *where it matters.*

In Mombasa, Kenya, resident engineers oversee the gateway cable-stayed bridge on-site, embedded through construction.

In Vietnam, KEI engineers supervise the construction of the Binh Khanh Bridge on the Ben Luc–Long Thanh Expressway, carrying forward the same standard established decades earlier.

Institutional *Relationships.*

Long-standing relationships with the institutions financing infrastructure worldwide.

JICA

Japan International Cooperation Agency

JBIC

Japan Bank for International Cooperation

ADB

Asian Development Bank

World Bank

International Bank for Reconstruction & Development

MLIT

Ministry of Land, Infrastructure, Transport and Tourism, Japan

Private

PPP · Advisory · Project Finance

QUALITY CERTIFICATION

ISO 9001:2015 · JIS Q 9001:2015 CERTIFIED

REG. NO. KEN 02-6956 · ESTABLISHED 1987, TOKYO, JAPAN

08 · THE KEI DIFFERENCE

Why KEI.
Six points of difference.

Trusted by institutions, proven by delivery. Large enough for global reach, agile enough to stay close to clients. That combination sets KEI apart.

01

Agile, decentralized.

Decisions made close to the ground, held by a Manila-based Overseas Department Head, not routed back to Tokyo.

02

Full-lifecycle scope.

Master plan through O&M, with PPP advisory in between.

03

BIM-led delivery.

Clash-free, digital designs from the Manila Engineering Center.

04

Local integration.

100+ international and national engineers embedded on-site.

05

Multilingual execution.

English-first delivery, Japanese rigour preserved throughout.

06

Donor-fluent practice.

Decades of JICA, JBIC, ADB, and World Bank-financed delivery.

Four pillars. *One integrated lifecycle.*

From master planning to construction supervision, services across every project phase.

01

Road

Highway · Expressway · Interchange · Arterial · O&M

02

Bridge

Long-span · Viaduct · Flyover · Extradosed PC

03

Tunnel

Road · Subway · Underground works

04

Railway

At-grade · Elevated · Underground · PPP

ONE TEAM, EVERY DISCIPLINE



Illustrative BIM Model

KYRGYZ REPUBLIC · NARYN RIVER BRIDGE ON THE TRANS-CASPIAN ROUTE

10 · MANILA ENGINEERING CENTER

BIM-driven *delivery.*

In Manila, over 100 engineers, architects, and IT specialists work from a single digital model, catching clashes on screen long before they would cost time on site.

Autodesk Revit 2024 · AutoCAD · Civil 3D · InfraWorks
Navisworks · 3ds Max · ReCap Pro

Clash-free designs	— Faster construction. Reduced field risk.
Structural simulations	— Traffic, hydraulic, seismic: every system tested.
Digital-twin delivery	— From BIM model through site supervision.



11 · RESILIENCE & SUSTAINABILITY

Infrastructure built *to last a century.*

Climate-resilient. Disaster-ready. Built to last.

Katahira's philosophy has always extended beyond construction: build it, protect it, and let it serve the people who use it. Infrastructure today must do more than connect: it must withstand climate risk, adapt to shifting mobility and logistics patterns, and remain serviceable for generations.

Climate Adaptation

Flood-resilient corridors. Seismic-grade bridges. Heat-tolerant pavements.

Disaster Risk Reduction

Hazard-mapped alignments. Redundancy engineering. Post-event asset recovery.

Environmental Compliance

EIA & SIA aligned with ADB, World Bank, and JICA safeguard frameworks.

Low-Carbon Mobility

Mass transit prioritisation. Electrification readiness. Modal-shift planning.

Transit-Oriented Development

Station-area planning. Land-value capture. Compact, walkable urban form.

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Proof.

The projects, people, and recognition that demonstrate KEI's technical excellence.

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12 Master Planning · 13 Operations in the Philippines · 14 Iconic Bridges · 15 Railway · 16 Awards & Recognition · 17 Communities · 18 Human Capital



Luang Prabang, Laos

PEOPLE-CENTERED URBAN TRANSPORT MASTER PLAN · UNESCO HERITAGE CITY

12 · MASTER PLANNING

Shaping long-term *visions, nation by nation.*

14 master plans completed across 14 countries, with two more now underway: a new plan in Luang Prabang, Laos, and a 15th country, Tunisia. Each plan turns a government's long-term vision into a pipeline of projects ready for financing and construction.

SOME COMPLETED: A GLOBAL PORTFOLIO

- *Visayas & Mindanao Strategic Road Network, Philippines*
- *Phnom Penh Urban Transport, Cambodia*
- *Vientiane Comprehensive Urban Transport, Laos*
- *Sultanate of Oman Road Network, Oman*
- *Plus plans in Bangladesh, Syria, Kenya, Solomon Islands*

CURRENTLY IN PROGRESS

Luang Prabang, Laos

People-centered transport master plan for a UNESCO heritage city.

Tunis, Tunisia

Transport Development Master Plan: baseline surveys underway.



Three decades *of nation-building.*

KEI's Philippine portfolio has grown in step with the country's own infrastructure program, from early road upgrades in the 1990s to the mega-projects now under construction.

01

1990s

Metro Manila road upgrades (R1, R4, C3, C5) (1994), Metro Manila Interchange projects (1995), LRT2 (1996), Pan-Philippine Highway (1997), Phil-Japan Friendship Highway (1999)

02

2000s

2nd Mandaue–Mactan Bridge (2000), MRT Line 3 (2000), SLEX (2004), Cebu South Coastal Road (2004), Subic–Clark–Tarlac Expressway (2008) and Agas-Agas Bridge, Leyte (2009).

03

2010s

Central Luzon Expressway (2010), Patapat Viaduct (2011), Metro Manila Skyway, stage 2, stage 3 (2012-2018), LRT-1 Cavite Extension study (2013); TPLEX delivered through 2020.

04

2020s

PAREX expressway (2023), SALEX expressway (2023), North-South Commuter Railway, Metro Manila Subway, MRT-7, Davao City Bypass, Metro Manila Priority Bridges Seismic Improvement Project, all underway.

Spans that *set records.*

Complex, iconic, record-setting: from the Philippines' longest extradosed span to Kenya's Mombasa Gate Bridge and Sri Lanka's New Kelani Bridge, KEI's bridge portfolio spans landmark works across every region it serves.



Agas-Agas Bridge, Leyte, 89m vertical clearance

RECORD-SETTING WORK

185 m

Longest extradosed PC span at completion

2ND MANDAUE–MACTAN BRIDGE

89 m

Vertical clearance, tallest bridge in the Philippines

AGAS-AGAS BRIDGE, LEYTE

Building the future *of urban mobility.*

METRO MANILA SUBWAY PROJECT (MMSP) (33.103 KM)

Philippines' first underground metro.

Developed by DOTr with JICA support, the Philippines' first underground mass transit system will change daily travel for millions of Metro Manila commuters, cutting trips that now eat up hours, and linking key business districts to NAIA.

KEI engineers lead the tunneling, geotechnical engineering, structural design, and railway systems integration.

NORTH–SOUTH COMMUTER RAILWAY (NSCR)

147 km. Calamba to Clark.

Tutuban–Malolos (PNR Clark Ph. 1): 38 km
Malolos–Clark (PNR Clark Ph. 2): 53 km
Solis–Calamba (South Commuter Railway): 56 km

147 km

TOTAL PROJECT LENGTH

Awards & *recognition.*

The Tanaka Award, named after Dr. Yutaka Tanaka, pioneer of modern bridge engineering in Japan, is the country's highest honour for bridge engineering; the JPCI Award and JSCE's Outstanding Civil Engineering Achievement recognise that same standard across the wider industry.



2nd Mandaue–Mactan Bridge

PHILIPPINES

1999 Tanaka Award, JSCE
1999 JPCI Award



Kanchpur · Meghna · Gumti

BANGLADESH

2020 Outstanding Civil Engineering Achievement, JSCE



New Kelani Bridge

SRI LANKA

2021 Tanaka Award, JSCE
2021 JPCI Award



Gyaing Kawkareik Bridge

MYANMAR

2024 Tanaka Award, JSCE



Communities

Planning starts with the people it serves.

COMMUNITY ENGAGEMENT · FIELD SURVEY

Infrastructure succeeds when communities are engaged from project preparation through implementation.
Safeguards are integrated in accordance with client and donor requirements.

01

Institutional & Human Capacity Development

Education, gender inclusion & workforce training embedded in every assignment or delivered as standalone projects.

02

Environmental Preservation

Low-carbon planning, sustainable community design, and environmental stewardship with local communities.

03

Peace & Safeguards

Resettlement action plans, stakeholder engagement & peace-building support.

PROJECT SPOTLIGHT · WEST NILE SUB-REGION, UGANDA



Since 2021, KEI has helped Uganda's Office of the Prime Minister and West Nile local governments plan for both refugee and host communities, and build capacity to respond faster in emergencies, a JICA-funded assignment running through 2026.



Engineers in the field.

BRIDGE SITE INSPECTION · KENYA

Professional *credentials.*

A multidisciplinary team experienced with governments, contractors, and development partners.

383	120	263
Engineers	*Tokyo HQ*	*Overseas Department*

Staff figures as of December 2025.

BY DISCIPLINE

3	31	7	41
Ph.D. in Engineering	*Licensed Professional Engineers, Japan*	*APEC Engineers*	*1st-Class Civil Eng. Managers*

2	17	11
1st-Class Architects	*Registered Surveyors*	*RCCM Registered Consultants*

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Legacy.

The philosophy that endures, and the vision it carries forward.

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20 Organization: KEI & KSG Group Structure

21 Closing: Engineering the World That Connects

Guided by *experience.*

Continuity between the founder's philosophy and the leadership that carries it forward today.

CURRENT LEADERSHIP

Tomohiko Nakamura serves as President of Katahira & Engineers International. An Executive Officer based in Manila is overseeing the Overseas Department.

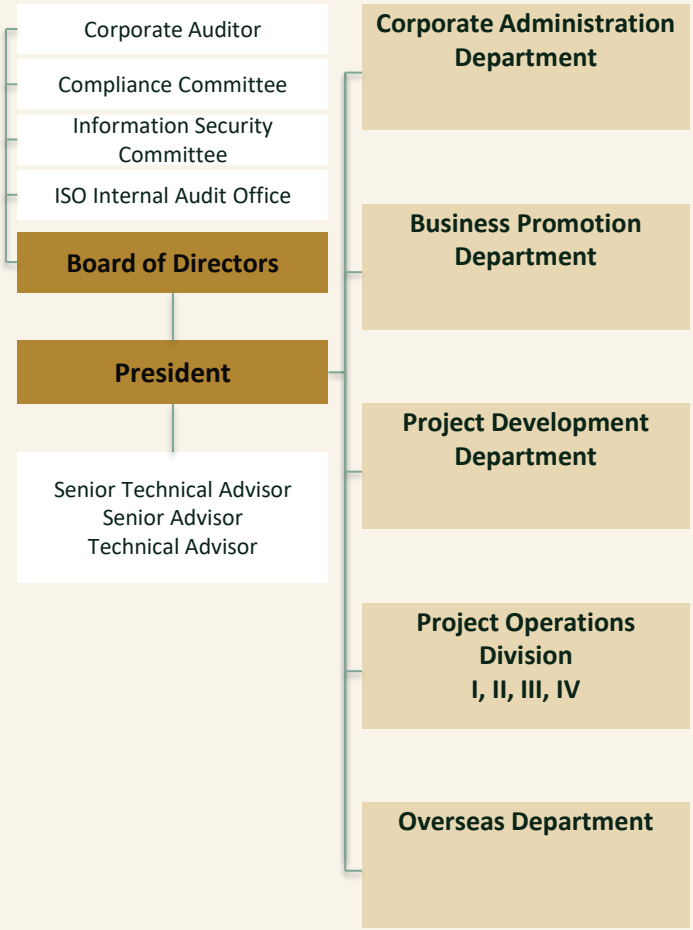


TOMOHIKO NAKAMURA
PRESIDENT

Two leaders, one philosophy: every engineer a consultant, from first conversation to final handover.

One group, *shared standards.*

KEI leads overseas assignments; KSG (Katahira Shin-Nihon Giken) delivers within Japan, sharing the same leadership and standards.



Corporate Administration Department

Finance, human resources, general administration, and digital transformation.

Business Promotion Department

Business development, planning, and Africa market expansion.

Project Development Department

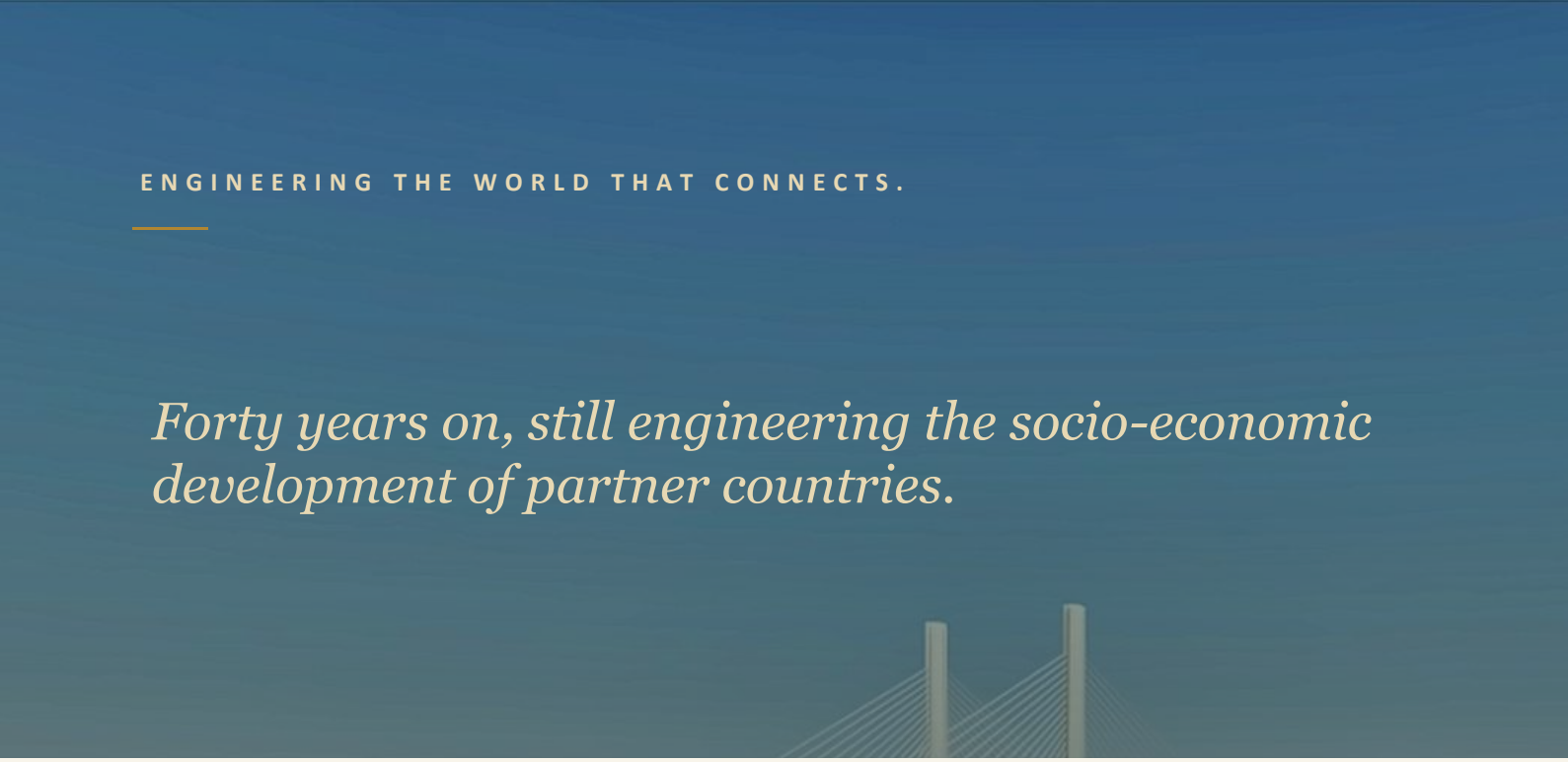
IT systems and digital tools supporting project delivery.

Project Operations Division I, II, III, IV

Eight engineering divisions: transportation, road, bridge, geotechnical, construction, asset management, and social safeguards.

Overseas Department

Ten offices across eight countries, anchored in Manila, with branches in Dhaka, Vietnam, Cambodia, Kenya, Indonesia, Timor-Leste, and Sri Lanka.



ENGINEERING THE WORLD THAT CONNECTS.

Forty years on, still engineering the socio-economic development of partner countries.

KATAHIRA & ENGINEERS INTERNATIONAL

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