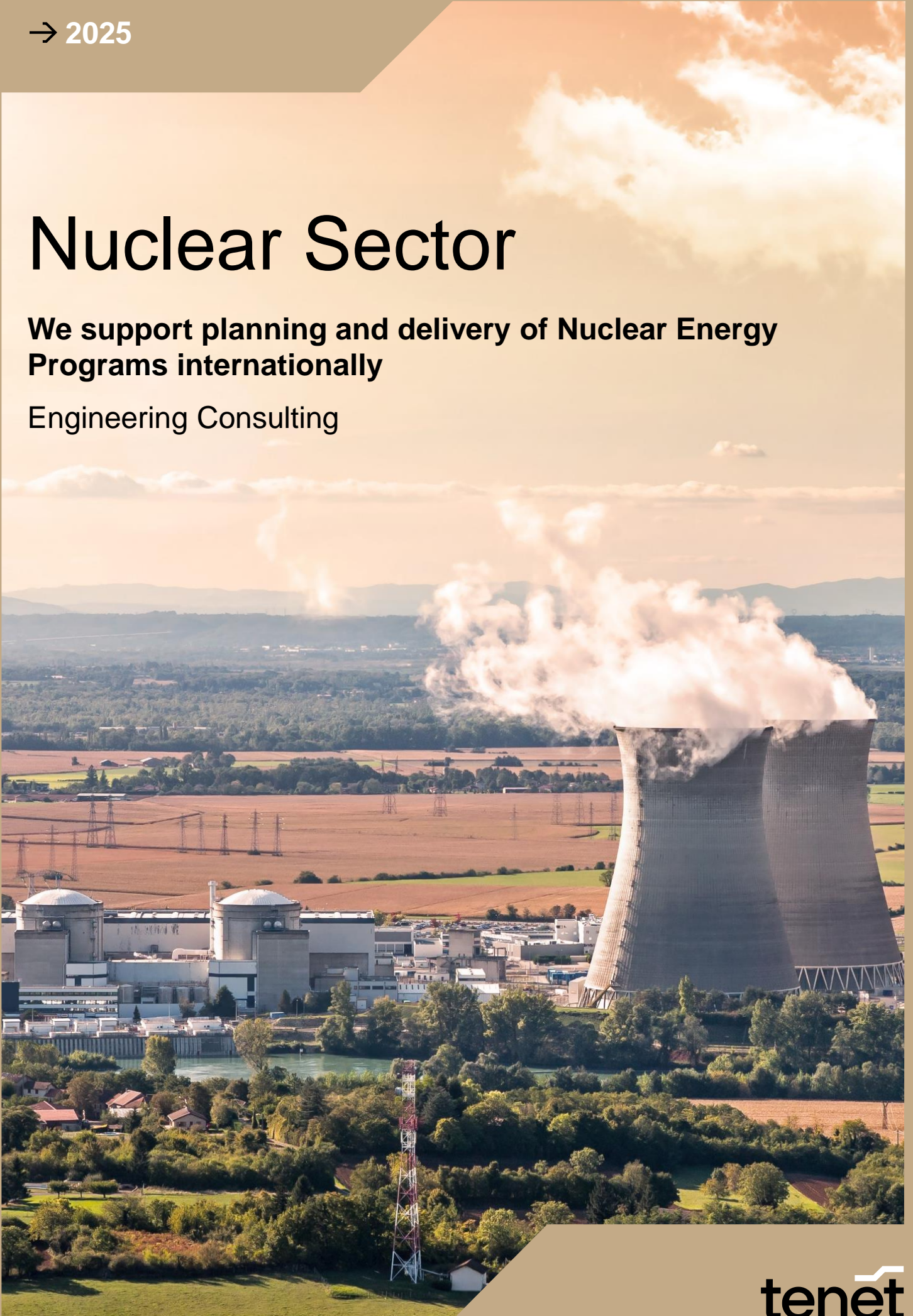


→ 2025

Nuclear Sector

We support planning and delivery of Nuclear Energy Programs internationally

Engineering Consulting



The Tenet Nuclear team

▾ ABOUT US


Our team of consultants and engineers facilitates the planning and delivery of a diverse range of nuclear power projects, incl. large-scale reactors, small modular reactors (SMR), and


floating NPP solutions, and integrating them into the wider context of power system development and supply chain localisation.


We provide access to one of the largest pools of nuclear power professionals globally, across all 19 aspects of nuclear infrastructure, to successfully deliver projects in:

- South and South-East Asia
- Central Asia
- Middle East
- Europe
- Africa


▾ OUR EXPERTISE


 Consulting on national strategy issues and Owner/Operator business strategies


 Project-siting and site selection


 Nuclear infrastructure development across 19 nuclear topics


 Greenfield, brownfield and Coal-to-Nuclear


 Energy planning and reactor siting optimisation studies


 Independent project knowledge and capabilities and market intelligence


 Feasibility studies for new builds


 Nuclear power integration into grids and markets


 Cost estimation and financial modelling, LCOE modelling and cost-to-GDP assessments

 Procurement and local supply chain analysis

 Contracting support (BOO, EPC, Fuel and PPA)

 Nuclear fuel cycles

 Policy advice on International Atomic Energy Agency (IAEA) guidelines and local regulatory regimes

 National capability building and training

Our services

AN INTEGRATED APPROACH

Our team will guide you through the various stages of creating and executing effective nuclear energy programmes, from initial assessments and considerations to back-end solutions

PROGRAMME STAGES

Nuclear energy programme strategy 01 | Nuclear infrastructure development 02 | NPP operation and maintenance 03 | Nuclear programme extension 04

TECHNOLOGIES

Large reactor generation 3+

Small modular reactors (SMR)

Floating nuclear power plants (FNPP)

Research reactors

Conventional generation and renewables



NUCLEAR PROJECTS

Determining suitability parameters for the site selection of a small modular reactor (SMR) in Malaysia

2024–2025

TNB Research



We would like to extend our sincere appreciation for your invaluable consultancy services. Your expertise and dedication have greatly contributed to the advancement of our Nuclear Power Plant (NPP) and Small Modular Reactor (SMR) siting studies

TNB Research Sdn. Bhd.,
Malaysia

Pre-feasibility study to integrate an SMR into the power system of an African country

2023–2024

National Atomic Agency



We recognise the team's deep expertise and creative and practical approach to problem solving, understanding our needs as a client, and willingness to work to tight deadlines. We would like to emphasise that the work was performed at a high professional level

International vendor

Workshop on the Business Model of a Nuclear Power Project for the Jordan Atomic Energy Commission

Amman, Jordan 23-25 June 2024

IAEA

International Conference on Small Modular Reactors and their Applications

Vienna, Austria, 2024

IAEA

NUCLEAR ENERGY EXPERIENCE

Experience in working with the IAEA & vendors to develop nuclear energy programmes for newcomer countries



WIDER POWER SECTOR EXPERTISE

“Just energy transition: principles of developing affordable power systems in Eastern and Southern Africa” (incl. regional outlook for NPP and SMR deployment)

2024

Analytical study on electrification of 21 countries in Eastern and Southern Africa for 2020-2060, incl. integration of nuclear power generation

A coal-power plant decommissioning and grid impact study in Kazakhstan

2021

A large international steel producer
Assessing decommissioning options for a 500-MW coal-fired CHP power plant in terms of reusing the site and grid infrastructure to install a wind power farm

IPP selection for the BOO of the Yashma combined 500-MW cycle plant

2021–2022

Project management services for the government to design and deliver a vendor selection process for a 500-MW gas power plant

About Tenet

150+
specialists

Tenet can draw on a wide pool of talent covering extensive advisory capabilities



DEAL ADVISORY



TAX AND LEGAL



CONSULTING



ENGINEERING

Kazakhstan,
Almaty



Serbia,
Belgrade



Turkey,
Istanbul



UAE
Dubai*



UAE
Abu-Dhabi*

* In the UAE we operate under the SW Tenet brand



Our experience and capabilities

Tenet is a recently established advisory firm created by former KPMG partners with global capabilities spanning multiple industries

All Tenet key team members have 20+ years' relevant professional experience. We combine an interdisciplinary approach with extensive industry-related expertise. Our teams focus on sectors and client issues irrespective of geographies and products, thus creating a client-centric consulting culture and approach.



The Tenet Nuclear team

The Tenet Nuclear team specialises in collaborating with energy sector companies, industry stakeholders, and government regulators in the nuclear energy sector, supporting the global goal of tripling nuclear capacities by 2050. Our experienced team of consultants and engineers facilitates the planning and delivery of diverse nuclear power projects, ensuring their integration into sustainable energy systems and localised supply chains.

Contacts



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Some or all of the services described herein may not be permissible for audit clients and their affiliates or related entities.