

Want to know more
or get in touch with one
of our energy & service
solutions experts?

Send us an e-mail to
info.ecmescat@engie.com



engiesolutions.me

SUSTAINABLE ENERGY AND SERVICE SOLUTIONS FOR INDUSTRIES, CITIES & COMMUNITIES, AND PROPERTIES

ENGIE
Solutions

engiesolutions.me

We are a leading world group that provides low-carbon energy and services. Together with our 101,000+ employees, our customers, partners and stakeholders, we are committed to accelerating the transition towards a carbon-neutral world, through reduced energy consumption and more environmentally friendly solutions. Inspired by our purpose (“raison d’être”), we reconcile economic performance with a positive impact on people and the planet, building on our key businesses (gas, renewable energy, services) to offer competitive solutions to our customers.

ENGIE is a global energy player and an expert operator in the four businesses of networks, renewables, energy solutions and thermal & supply.

ENGIE Global Figures

3GW*

extra installed
renewables capacity

101,504*

employees, 94,700
of whom deliver B2B
services

57.9€ billion*

of revenues worldwide

100,3 GW*

installed power
generation capacity

Our Purpose

“To act to accelerate the transition towards a carbon-neutral economy, through reduced energy consumption and more environmentally-friendly solutions.”

TO SUPPORT YOU TOWARDS
CARBON NEUTRALITY,
WE GO BEYOND ENERGY

ENERGY SOLUTIONS



Locally-relevant solutions based on global expertise and best practice

ENGIE Solutions is your long-term partner in decarbonisation solutions and is firmly rooted in the GCC region.

We provide affordable energy solutions to green your energy supply, reduce your energy consumption whilst improving your infrastructure to give you a competitive edge, making your industry, city, home and workplace more attractive.

We bring ENGIE's global and regional expertise in technical services, energy efficiency, digitalisation and renewables across all types of infrastructure and sectors. The company is committed to investing in countries through empowering the local workforce, implementing smart technology solutions and know how, and delivering financed and guaranteed energy efficient projects for our customers.

Energy Solutions Facts

- 1st

District Cooling Worldwide
- 3rd

Private Player in District Heating Worldwide
- 2nd

Distributed Solar Asset Owner Worldwide
- 1st

Asset-based on-site Utilities in Europe
- 2nd

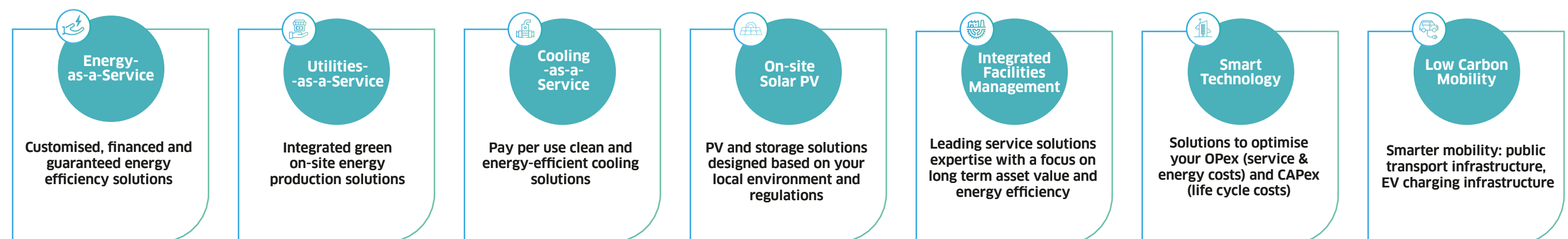
Low Carbon Mobility (EV, NGV, Hydrogen) excl. China



ENERGY SOLUTIONS

At ENGIE Solutions, we believe in providing energy solutions, not just services. We bring to the table integrated, tailor-made, financed, technology-enabled and data-driven solutions, which improve energy and asset performance for cities & communities, industries and properties.

Our customers can count on us to deliver energy-efficient focused solutions that meet their needs, overcome their challenges, and help ensure long-term value, while delivering on our decarbonisation promise.



ENERGY IS OUR FUTURE, SAVE IT!

ENERGY -AS-A-SERVICE

As an accredited Energy Services Company (ESCO), ENGIE Solutions provides customised finance and guaranteed energy efficiency solutions aimed at drastically reducing consumption for our customers.

Our expertise combines unique skills in optimising all types of buildings and production plants. We do so through designing, installing and operating smart technologies, energy-efficient equipment, and carbon-free solutions.

Our services are delivered through performance-based contracts adapted to our clients' needs, industry sectors, and criticality of facilities. We also finance the implementation of smart building systems and energy retrofits, including renewable solutions through guaranteed or shared saving plans with an agreed payback period.



ENERGY SOLUTIONS IN NUMBERS

GCC figures

243GWh

Accumulated
Energy Reduction

131,746

Accumulated CO₂ Abatement
(Tons)

29m

Accumulated cost-saving
(USD)

Global figures

+ 5,000

energy efficiency contracts

23GW

of decentralized energy
installed capacity

+ 8GW

of additional capacity by 2025
in local low-carbon
energy networks.

Figures on 06/17/2022

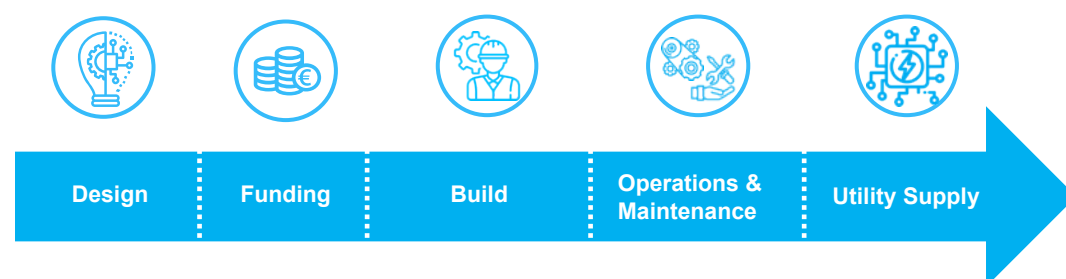
UTILITES -AS-A-SERVICE

An integrated on-site energy production solution to implement decarbonisation projects where ENGIE Solutions manages the design, build, finance, and O&M to allow clients to meet their decarbonisation goals.

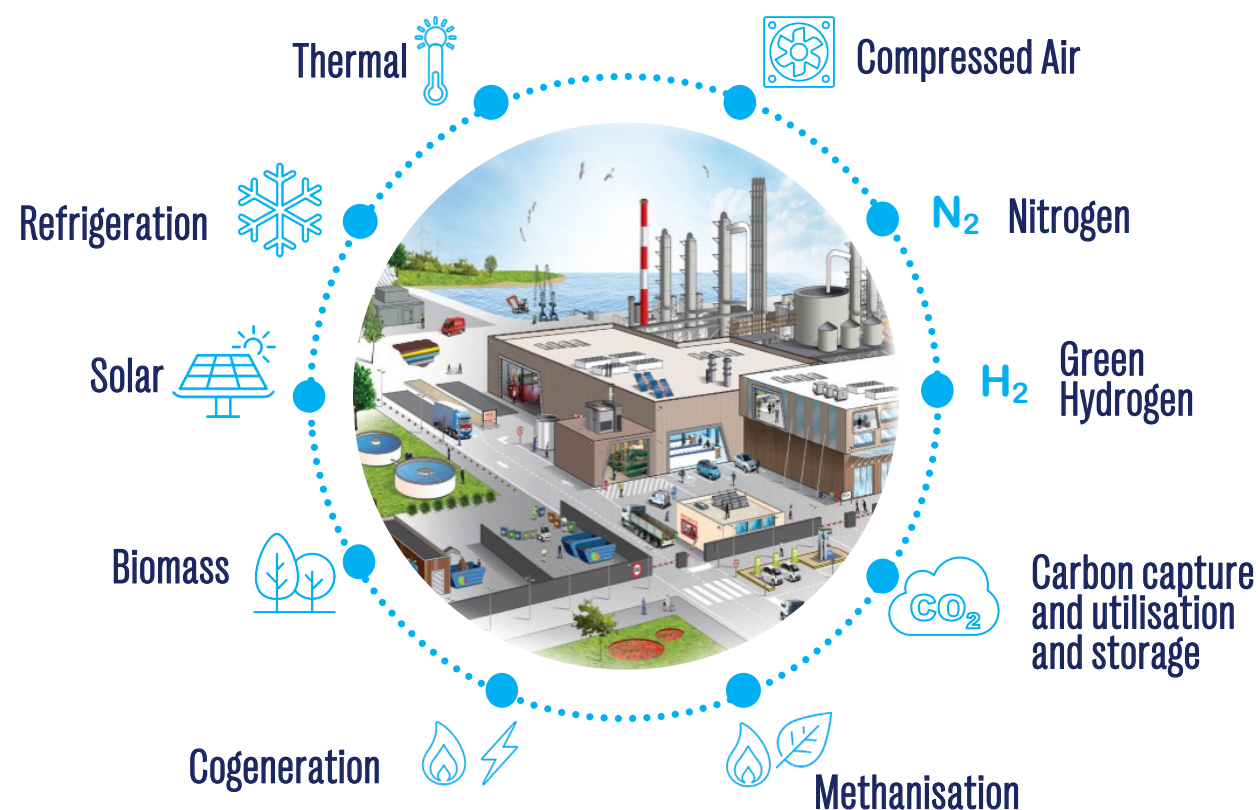
Payments are service-based over the life of the contract, with no CAPEX or debt, with results and performance commitment

By using:

Cogeneration (CHP), trigeneration, biomass-fired boiler, anaerobic digestion, heat pumps, electric boilers, heat recovery systems, chillers and air-compressors.



A wide range of solutions to achieve decarbonisation targets




UAE CEMENT FACTORY

A leading industrial company signed a 10-year BOOT (Build Own Operate Transfer) contract with ENGIE Solutions to design, finance, construct and manage operations of a 10MW Waste Heat Recovery (WHR) system at their cement factory site in the United Arab Emirates.


ENGIE Solutions will be implementing the Organic Rankine Cycle (ORC) technology in an “utilities-as-a-service” model in the cement industry for the first time in the region. ENGIE’s energy-as-a-service model means guaranteed energy efficiencies, higher reliability, and resiliency, with no major capital outlay.

The ORC system, based on a closed-loop thermodynamic cycle, will help the client avoid 29.2 kilotonnes per year of CO₂ – representing a reduction of 28.35% in power-related emissions and a 3.9% reduction in total plant emissions.

10MW 
Waste Heat Recovery with
ORC technology

15% 
Savings on power costs

10
years BOOT contract

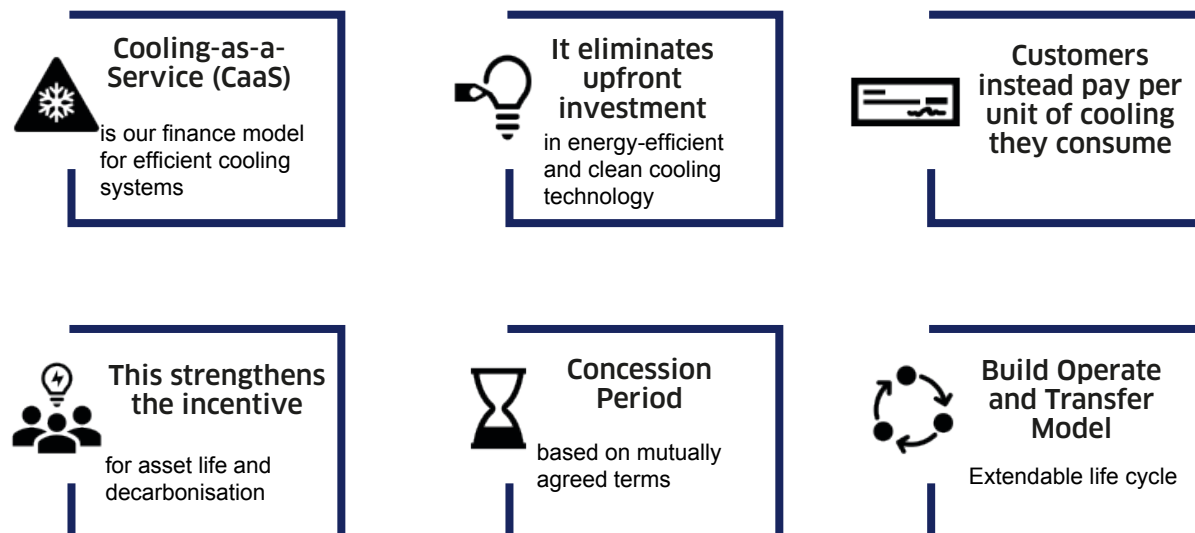
28% 
Reduction on power-related CO₂
emissions

COOLING -AS-A-SERVICE

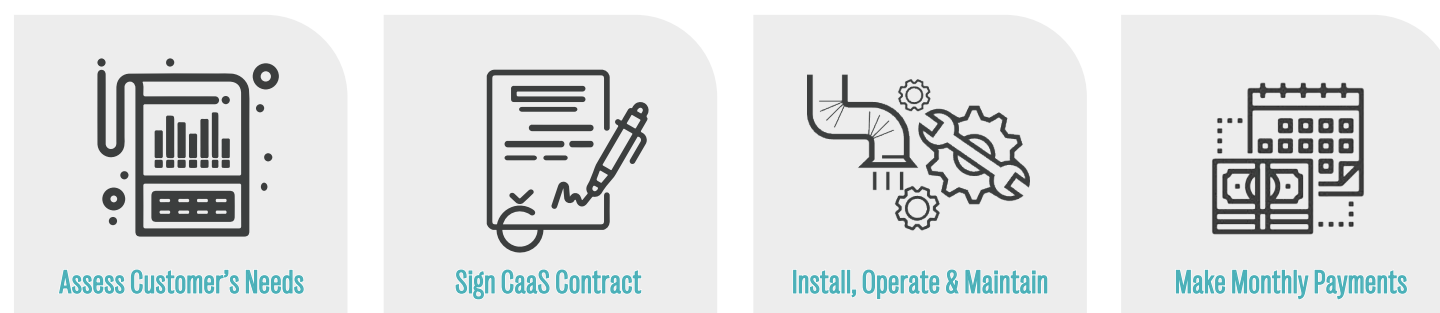
Cooling-as-a-Service (CaaS) enables our clients to benefit from a clean and energy-efficient cooling solution with no capital outlay. You simply pay for the cooling you use; our incentive is to design, finance and install the most energy-efficient cooling solution supported by our expertise in plant maintenance, asset performance and longevity.

Energy efficient and clean cooling solution
without capital expenditure

CaaS Summary



CaaS Process



Cooling contributes to climate change by increasing demand for electricity, much of which is still generated from fossil fuels, and through leakage of refrigerants, which have a much higher global warming potential than CO₂ emission

- United Nations Environment Programme (UNEP)

ON-SITE SOLAR PV

ENGIE Solutions builds, owns and operates a solar PV system behind-the-meter at your site (typically on the rooftop or adjacent vacant land).

The system's total electricity output will be sold to you at an agreed price and contract term through a Power Purchase Agreement (PPA).

You'll be billed monthly for the electricity produced by the green energy system.

ENGIE Solutions will ensure the system performance through prescribed operations and maintenance during the contract term.

At the end of the PPA contract term the system ownership will be transferred to you and the site will retain all the system benefits for the remainder of the project life (estimated to be 25 years).

Go Green: Switch on the Power of Solar

Our approach to a more sustainable future with solar energy



ZERO UPFRONT COSTS

Pay only for the power you use with zero CAPEX. ENGIE handles everything else, from financing, solar installation to operations.



MORE COST SAVINGS

Enjoy competitive, fixed pricing on your electricity. ENGIE provides a medium to long-term hedge with price certainty, regardless of fluctuations in electricity prices.



HANDS-FREE RELIABILITY

Get best-in-class operations and maintenance of your solar installations. Our technical specialists have a high commitment to output and will manage the whole process end-to-end.



LOWER CARBON FOOTPRINT

Be confident your carbon emissions will be reduced, and join the global network of sustainability and green commitment.



NADEC SOLAR FACILITY



This project was launched in July 2018 by one of the largest agricultural and food-processing company in the GCC, to procure electricity from a 30 MWp solar PV facility in NADEC City, Saudi Arabia. As an alternative to the company's fossil fuel consumption (1.4 TWh/year), ENGIE established what constitutes a first utility-scale corporate PPA in the region, between a developer and an end-customer.

The NADEC Solar project initiates a shift in energy consumers procurement strategies. It sets the path for IPP developers to put their expertise at the disposal of private and public energy consumers to reach their sustainability objectives. Effectively, this project will reduce NADEC's fuel consumption by 124,000 barrels/year, which will result in a decline of 53,000 tons of annual carbon emissions, thus fully embracing Saudi Vision 2030.

1st



utility-scale corporate PPA in the region between a developer and an end-customer

25

year corporate PPA

30MW

solar PV



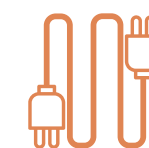
Offsetting

53,000

tons of carbon emissions per year



State-of-the-Art technology combining bifacial modules on trackers, string inverters and robotic cleaning solution



Connection to a Private Grid + Existing and Future Plan Modeling

INTEGRATED FACILITIES MANAGEMENT



ENGIE Solutions is committed to being a long-term strategic partner, delivering facilities services with a focus on energy management and asset optimisation.

Our integrated facilities management solutions are designed to meet the specific challenges faced by organisations in many different sectors.

With a local focus, our solutions are demand-led, designed to overcome the challenges your organisation faces in order for it to grow, and to meet the needs of facilities in order to create a safe, efficient, and comfortable environment for everyone who lives and works within it.

ENGIE Solutions integrates inhouse service capabilities and technology platforms to save costs for its customers, while ensuring satisfaction.

We provide client-focused solutions to meet the demands of your built environment, and to optimise your operational and capital expenditure.

Our global and local expertise covers a broad spectrum, including operations, sector-based processes, smart technology, energy management, and alternative energy solutions.

Our Sector Expertise



SMART TECHNOLOGY



ENGIE Solutions uses Smart Building Technology to transform the way it operates assets across cities, communities, industries, and properties that are committed to reducing their carbon footprint.

Our technology and data-fuelled business models assist clients to shift from a traditional cost management approach towards tangible optimized business productivity. This provides environmental and operational efficiencies, improves service quality, and decreases costs.

As part of our digitalization strategy, ENGIE Solutions has set up an Operations Control Centre called The Integrated Centre for Engineering & Environment (iCEE), the heartbeat of all our operations. Set up in our head office, iCEE improves both the visibility and control of energy and asset performance across our clients' portfolios. From the OCC, we operate smart IoT platforms that include artificial intelligence and machine learning to automatically identify savings and inefficiencies. Furthermore, our solutions help our clients to make data-driven decisions about asset lifecycle and replacement.

Integrated Controls for Engineering and Environment (iCEE)

AR

We use Augmented Reality technology to empower our engineers with live data and remote support, increasing their efficiency, knowledge and reducing exposure to high-risk environments

O&M

We use our O&M platform and smart building technology to monitor the operation and maintenance of all your assets remotely and proactively. This allows us to predict maintenance issues before assets fail, thereby making data-driven decisions about asset lifecycle and replacement

Control

We use the latest open protocol smart control technology to both control and monitor your assets remotely. This drives continuous optimisation and operational efficiency, as well as reducing reliance on dated/legacy systems

Mobility

We deploy smart mobility technology to deliver an efficient, on-time, cost effective and professional service

IoT

We deploy advanced IoT temperature, humidity, vibration, lux, motion and air quality sensors to collect and analyse engineering and environment data that traditional building services systems do not measure. This allows us to deliver market-leading solutions to our clients

Energy

We use our smart buildings and analytics platform, combine world-leading Artificial Intelligence (AI) and machine-learning technology to improve control of your energy costs. This also allows proactive efficiency analysis of your assets which automatically identifies any issues and extends asset life

IAQ

We implement indoor air quality (IAQ) services utilising our IoT and robotic technology. This is of particular interest to the hospitality sector and office environments, as the impact of poor IAQ can lead to illness and detrimental staff performance

Service

We deploy the latest mobile applications for our staff, management and clients to provide full details and transparency of our energy solutions

OCC

The Operational Control Centre (OCC) is the heartbeat of our operations. All our services and solutions are integrated into one location where we offer a 24/7 monitoring service to our clients

Robotics

We offer all our clients the latest robotic technology including robotic cleaning and air quality monitoring



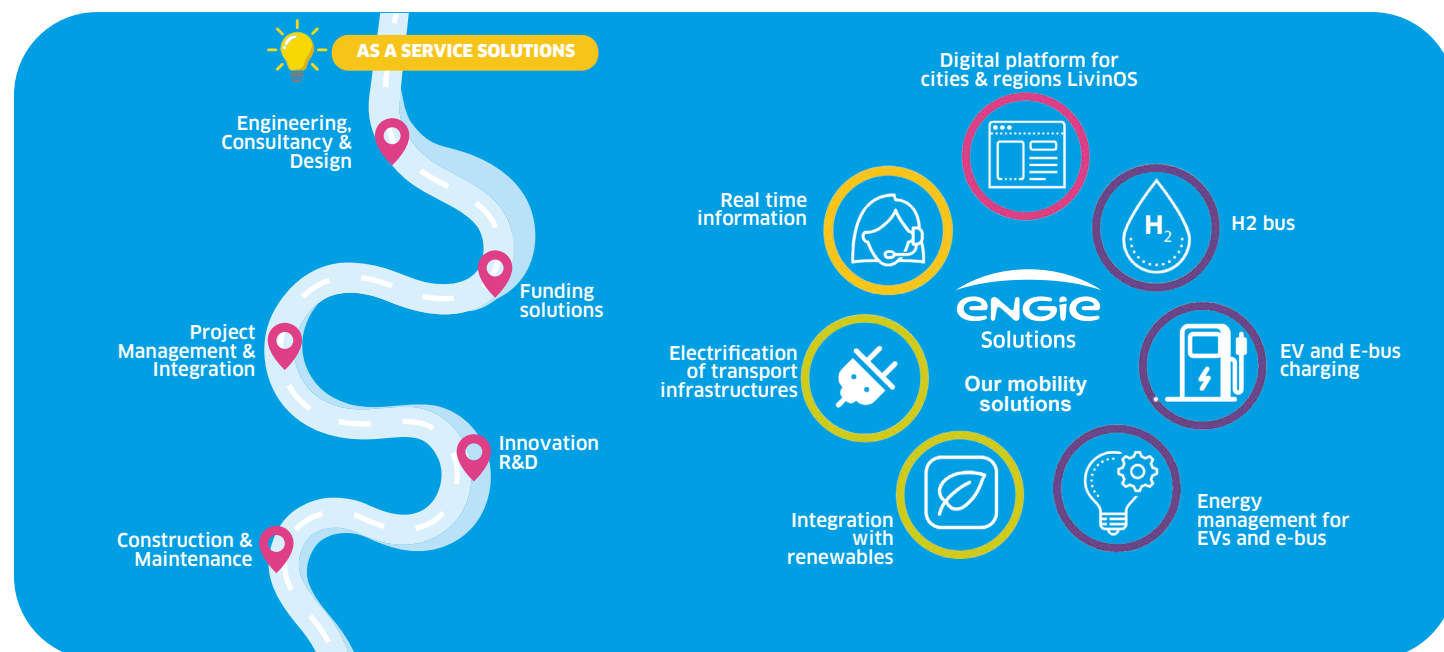
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LOW CARBON MOBILITY

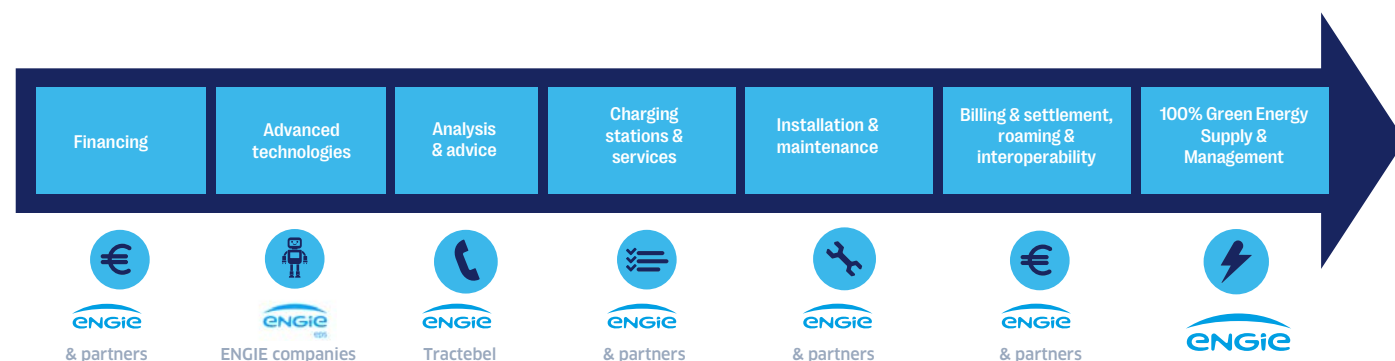
As a leader in the energy revolution, ENGIE Solutions offers a comprehensive range of clean mobility solutions that transform the way energy is used.

We provide a systems-based approach that combines our skills and expertise in alternative fuels, and transport infrastructures.

Improving air quality, reducing noise pollution, keeping traffic flowing and optimising transit networks: here are the key propositions of ENGIE Solutions' green mobility program, Better Mobility TODAY.



A premium EV driving experience



EV CHARGERS KAHRAMAA



Qatar General Electricity & Water Corporation (KAHRAMAA), appointed ENGIE Solutions to supply and install 100 electric vehicle chargers in various locations in the State of Qatar.

The project is the largest e-mobility infrastructure project for electric cars in the country and is expected to reduce carbon dioxide emissions by 10,300 tons per annum considering optimum usage.

The ENGIE EVBox chargers have a capacity of 50KW, 100KW, and 150 KW and offer both commercial and ultra-fast charging station chargers for personal vehicles. They are being installed at premium locations in Qatar including but not limited to the FIFA World Cup stadiums, Hamad International Airport and the Doha corniche area.

A SNAPSHOT OF OUR WORK

We have a proven track-record of developing bespoke service delivery model for all types of industries and portfolios.



Industrial

Customers

NADEC - KSA
International Maritime Industries (IMI) - KSA
King Salman Energy Park (SPARK) - KSA
Barka II Stomo - Oman
Qatar Chemical Company - Qatar
Qatar Petroleum - Qatar



Infrastructure

Customers

Al Raha, Shams and Saadiyat Island - UAE
YAS Island - UAE
Masdar City - UAE



Green Data Centre

Customers

Gulf Data Hub KAUST Campus - KSA
NEOM Data Centre - KSA
Apollo - UAE
Huawei MDCC Dubai Airport - UAE
Gulf Data Hub - UAE
National Bank of Kuwait - Kuwait



Healthcare

Customers

Medical City of King Saud University - KSA
Al Qassimi Hospital Child & Maternity - UAE
RAK Hospital - UAE
Fakeeh University Hospital - UAE
SEHA Hospitals - UAE
Taiba Hospital - Kuwait



Hospitality & Retail

Customers

Othaim Mall Al Rabwa - KSA
The Dubai Mall - UAE
Ritz Carlton Al Wadi Resort - UAE
Aldar Hospitality - UAE
Four Seasons Hotel - Kuwait



Education

Customers

Institute of Public Administration - KSA
Higher Colleges of Technology - UAE
Zayed University - UAE
Innoventures Education Group - UAE
Qatar Foundation - Qatar



Real Estate

Customers

Al Zeina Community - UAE
Citywalk Residential Phase 2 - UAE
Tornado Tower - Qatar



Transport

Customers

Riyadh Airport - KSA
Al Sufouh Dubai Tram - UAE
Dubai Airport - UAE
KAHRAMAA - Qatar

