

Sustainable development is necessary with over 50% of the world's population living in cities. Urban planners and developers face the challenges of climate change, finite natural resources and rapid population growth. GDF SUEZ is playing a major role in shaping the cities of the future.

The inexorable trend towards urbanisation means that by 2020 there will be an estimated 19 megacities worldwide with populations of more than ten million people each. There is an overriding need, today, to develop these cities sustainably so that they can adapt over time to changing resource uses, power sources and demographics.

Gérard Mestrallet, chairman and CEO of GDF SUEZ, explains: "A sustainable city is characterised by its ability to adapt and transform itself over time, by its user-friendly design and high quality of life, by the efficiency of its buildings, its fluid networks, its security, and how space is distributed and shared. GDF SUEZ strives to bring these characteristics to life, by applying its expertise as far upstream as possible in the development of major urban projects."

The systems and infrastructure that underpin any sustainable city must be established early on in the design and planning stages, to ensure that they are integrated for optimum performance. GDF SUEZ is fast becoming a preferred partner to urban developers and eco-district managers, helping to design major energy projects and service installations covering electricity, natural gas, energy services, water and waste services. The Group has a strong research arm, operating from nine research centres worldwide, working on innovative city-based development programmes in partnership with industry and higher education institutions. This research capability feeds continuous advancements in security of supply, energy efficiency and environmental impact management.

GDF SUEZ operations globally cover all areas of water and waste management, energy generation, distribution and supply, and energy-efficiency solutions, which enables it to offer tailor made solutions tapping into all these areas of expertise. Its water and waste services include the design, construction, operation and management of drinking water and waste water treatment



infrastructure, waste collection, sorting and recycling and remediation and conversion of industrial sites. In the energy sector, it purchases and produces gas and electricity, manages natural gas and electricity networks, and operates renewable and nuclear energy plants. Its energy services cover the design, installation and operation of multi-technology energy-efficiency and environmental solutions for lighting networks, heating and cooling systems, IT and communication networks, transport regulation systems and facilities management.

A top priority in city development is producing energy that can be accessed by the maximum number of people while ensuring it is used efficiently to help protect the environment and conserve



finite resources. Drawing on its broad expertise, GDF SUEZ has developed a range of systems and tools to guide the development of smart, clean, sustainable cities. These tools enable planners to model and measure the environmental performance of a city's water and energy services, analyse its environmental impact and plan for optimum economic, energy and environmental performance.

GDF SUEZ is actively involved in international forums devoted to long-term sustainable urban development. These range from an advisory council for the mayors of major Chinese cities to global initiatives such as the World Economic Forum, The United Nations Global Compact and the World Business Council for Sustainable Development.

Gérard Mestrallet adds: "As a genuine global leader across the entire energy value chain, GDF SUEZ is well positioned to help shape the cities of tomorrow. The urban metamorphosis over the next decade is set to be profound, and GDF SUEZ is ready to rise to the challenge."



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