



SINGAPORE



EDF IS HELPING HDB TO BUILD THE CITY OF THE FUTURE IN SINGAPORE

EDF started in 2013 a collaboration with the Housing and Development Board of Singapore [HDB], the country's biggest housing provider, to develop a ground-breaking urban modeling tool. This tool is now developed and helps HDB planners to analyze strategies for sustainable development.

/// HDB is pleased to embark on this collaboration with EDF and Veolia to develop this new modelling tool. This is a sophisticated tool that will simulate complex urban scenarios and help HDB planners analyse and determine the best combination of strategies using both design and technological solutions. Ultimately, it will help us create a better living environment that will benefit our residents. ///

Dr Cheong Koon Hean, Chief Executive Officer of HDB

Developed from EDF long-standing expertise in delivering public sector services and based on 3D visualisation and simulation techniques, this tool will allow the city of Singapore to compare various urban planning strategies and identify the most appropriate one. This tool will facilitate collaboration with the Singaporean authorities and other industrial partners, in the following areas: energy efficiency and air conditioning systems in buildings, integration of solar panels into buildings, development of green roofs, amongst others and

with Veolia, water, domestic waste and transportation. Incorporating maps and 3D representations as well as graphs and tables, this IT tool is initially being developed for the residential district of Yuhua, Jurong East, in Western Singapore.

The signature of this agreement, in 2013, marked the first step of an ambitious long-term collaboration on projects for sustainable cities. The results obtained today show the full potentiality of EDF integrated approach for sustainable cities. This partnership also aims to create a new centre of excellence dedicated to research into urban planning, supported by the Economic Development Board of Singapore (EDB). The goal is to address the ambitious challenges facing Singapore and, by using the experience of this flagship city, to help other cities in Asia manage complex urban planning decision-making.

/// EDF is particularly proud of entering into collaboration with the city-state of Singapore to develop an innovative urban monitoring tool in furtherance of sustainable city development. The problems inherent in urban development lie at the core of the new services that the EDF Group intends to develop, and the agreement signed with Singapore constitutes a crucial step in their resolution. ///

Bernard Salha, Director of EDF R&D

