

The World's First Zero-Carbon Sustainable City



A.T. KEARNEY

CREATED A BLUE-
PRINT FOR THE
INFORMATION AND
COMMUNICATIONS
TECHNOLOGY (ICT)
FOUNDATION
REQUIRED TO RUN,
BUILD AND OPERATE
THE WORLD'S FIRST
ZERO-CARBON CITY.

Our client sought to build the world's first zero-carbon city—a ground-breaking, multibillion-dollar development project. Technology is to play a key role in this self-contained city, both for achieving sustainability targets and maintaining a high quality of life for residents.

Challenge

A.T. Kearney was engaged to create a blueprint for the information and communications technology (ICT) foundation required to run, build and operate the world's first zero-carbon city, including the architecture, building blocks, and economic and investment model for its ICT operations.

Approach

We structured our approach to cover the most critical issues, outlining several key areas for developing the city's ICT operations:

- Identify macro processes associated with key aspects of city operations
- Determine requirements and desired experience of key stakeholders
- Establish target levels of technological sophistication and the optimal architecture required to achieve it
- Create request for proposal to acquire systems (including outlining strategic role, functional requirements, interfaces, availability requirements and core assumptions), and to address systems integration needs and vendor response requirements
- Develop dynamic cost model and strategy for acquiring systems
- Determine organizational requirements for ICT within the city
- Create strategy for an ICT Center of Innovation within the city

Results

Our work formed the basis for developing the overall operations model and a vision of future ICT and city operations that could support a zero-carbon city. The detailed blueprint allowed for various levels of investments to address current and future needs. It also ensured the long-term sustainability of the ICT and operations platform by developing a support structure for future partnering strategies.

For more information on how A.T. Kearney's sustainability expertise can help your business, please contact:

A.T. Kearney, Inc.
Marketing & Communications
222 West Adams Street
Chicago, Illinois 60606 U.S.A.

1 312 648 0111
email: insight@atkearney.com
www.atkearney.com

