In the coming decades, demographic change, urbanization and climate change will shape the world. These “Megatrends” present numerous urban problems to many cities around the world.

The approach to these challenges is through technological progress and innovations – and Siemens already has the answers. Our innovative technological solutions portfolio spanning the fields of energy, healthcare, transportation, water and building technologies, right through to City Management solutions from Siemens IT Solutions and Services, are well-poised to help tackle the problems faced by city decision makers.

The CoC for City Management

The initiative to establish the global Center of Competence (CoC) for City Management in Singapore is the direct result of a desire at Siemens to leverage its portfolio through a close co-operation with the local city management bodies. Leveraging on Singapore’s openness to innovations and new technologies, CoC is able to partner local innovative resources to develop cutting-edge and world-class solutions that will benefit our customers around the world.

The City of the Future Exhibition and Solutions Center

To allow customers and partners to take a closer look at the CoC solutions and Siemens offerings from the fields of energy, healthcare, transportation, water and building technologies benefiting a city, a 1,485 square-feet exhibition and solutions center was set up in Singapore in March 2009.

Led by the CoC for City Management working closely with Siemens’ vertical business divisions, the facility located in the Siemens Center uses interactive applications and digital media to showcase and demonstrate Siemens’ portfolio of innovations that enable city authorities to better plan and manage their city for a sustainable future.
The Public Gallery
In the Public Gallery, the innovative portfolio of IT-based Smart, Safe and Mobile solutions from Siemens IT Solutions and Services, as well as city-related solutions from Siemens Energy, Healthcare and Industry sectors including transportation, water technologies and building technologies, are presented on large-scale, state-of-the-art, interactive UBIQ touch screens which users can navigate to view the content using their fingers or by swiping their hands.

City Management Solutions Center
Inside the Solutions Center, visitors can find a number of interactive applications which are focused primarily on the city management solutions offered by the global Center of Competence for City Management.

The key highlights within this area are:

“Answers for Cities”
An animation presentation that shows the global trends and challenges faced by major cities today as well as the answers Siemens provides to these issues.

At the same time, visitors can learn about case studies implemented by Siemens in cities around the world, including the information and communication technology solutions for Smart, Safe and Mobile cities.

Smart Solutions
Citizens in major cities around the world are demanding high-quality service and timely response from city authorities. These demands are often complex, constantly changing and interdependent. In turn, city authorities have to respond to these challenges, in a resource-efficient way.

The Smart City of the Future harnesses information technology to help deal with these challenges. One technological solution example is City Cockpit - an integrated Management Information and Decision Support System that can assist city authorities in managing the growth and changes within a city based upon key performance indicators related to areas such as traffic, environment, and finance, to ensure that the city is sustainable for the future.

Safe Solutions
International terrorism, smuggling, organized crime and natural disasters are just a few of the threats faced by authorities worldwide. Our Safe solutions are public security solutions covering Emergency Management, Surveillance Video Management combined with biometric features, and Multi-purpose City Card, which support city authorities in their quest for a safe city environment for their citizens.

Mobile Solutions
Congested streets, trains and buses, overcrowded stations and airports are some of today’s most urgent problems faced by many cities.

Mobile solutions promise an era of efficiency, transparency and convenience through the use of information technology.

From intelligent real-time information systems and fleet management for public transportation, to traffic offence management, Siemens has the technological solutions to address these needs.

Take parking space and fines management as an example. City authorities can look to our Mobile Parking (m-Parking) solution that digitalizes enforcement processes and enhances citizen service. This solution reduces infrastructure and maintenance costs and eliminates the need for field service monitoring for city authorities. For citizens, the solution removes the hassle of using parking coupons and coin meters. All that is needed is the use of the driver’s mobile phone to initiate parking request and payment.

Siemens “Pictures of the Future”
Visitors can preview new technologies and solutions that Siemens offers for city decision makers to manage their city more efficiently in the future.

City Game
To help city decision makers understand the importance of cross-functional collaboration across departments and agencies, the City Game which is an interactive city management simulation game, allows participants to take on the challenge of building a sustainable city of their own and solve typical urban development issues from water, power, transportation and finance.

Visits
To request for a tour of the exhibition and solutions center, you can send an email to cityofthefuture@siemens.com.

Your visit can further be enhanced with special visits to Singapore government agencies and Siemens R&D sites in Singapore, including its Worldwide R&D Center for Water Technologies, as well as meetings with other Siemens business divisions.