

Fortaleza Brazil

Integrated solutions towards a low-carbon city



Urban-LEDS Model City of Fortaleza

In 2012, the Urban-LEDS Model City of Fortaleza completed its first GHG inventory and has since targeted LED actions in the following ways:

- **Minha Casa, Minha Vida (My Home, My Life)** has rolled out the installation of solar systems on homes for water heating via solar thermal systems and electricity from solar photovoltaic.
- The **Municipal Integrated Waste Management Plan** was developed to divert waste from landfills while boosting waste separation and recycling.
- The **Energy Efficient Schools Pilot Project** guarantees resource-efficient and sustainable schools. Thus far, the pilot has improved 13 schools with more in the pipeline through a public-private partnership.
- The **Green Factor Program** will scale up green building initiatives by creating sustainable codes for green construction and a certification scheme.
- **Low-emission transport.** In December 2014, the Mayor launched the bike sharing scheme which has grown to 55 stations throughout the city.

Lessons learned and replication

Learning from others Urban-LEDS examples. Fortaleza looked to Belo Horizonte's successful approach to green building and construction, resulting in the replication of their sustainable codes for green construction and certification schemes under the Green Factor Program. In January 2015, the Secretariat of Environment opened a Public Call for LEED certification of the Integrated Education and Cultural Complex (CUCA), the environmental certification will be used as a pilot project and is aimed to be replicated to futures units.

Securing LED longevity through smart investment. Fortaleza's investment in its low-carbon future is well worth the cost. Both the Municipal Integrated Waste Management Plan and the Energy Efficient (EE) Schools Pilot Project required investments of R\$ 900 million (USD \$372,000) each. Integrated waste management saves significant costs from the recovery of valuable resources while benefiting the environment in countless positive ways.

Learn more at www.urban-leds.org