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## Powering Dubai's Sustainable city –first all-electric city

Dubai's first fully solar-powered city relies on ABB string inverters

ABB has supplied 400 string inverters to harvest solar energy for 400 villas in the Sustainable City, the region's first fully integrated sustainable community

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Dubai's first all electric city



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**Customer** : City Solar

**Location** : Dubai

**Industry** : Solar

## Customer need

- Harvest **solar energy** for the 400 villas in the Sustainable City
- The city will eventually generate **10 MW-peak** (MWp) of power from solar panels on private, public buildings
- Robust **string invertors** for the convert solar power into DC for use.
- **Easy-to-use** products ensuring the client's own engineers can install and maintain the inverters

## ABB's solution

- Combination of **PVI 5000, PVI 12.5, TRIO 7.5 and TRIO 8.5** string inverters for the city
- Inverters for a **1.4 MW** parking lot solar roof project - This will charge electric cars, which are the only powered vehicles allowed within the city limits
- Suitable for the smallest residential photovoltaic (PV) systems through to **multi-megawatt** PV power plants
- **Monitoring systems** to ensure optimum performance of the PV installations, backed up by a global service network