



# **Case Study of Rooftop Smart PV Solution**

## **FusionSolar Smart PV Solution**

**FusionSolar**



- Location: Haining, Zhejiang, China
- Capacity: 300MW
- COD: Different Rooftops in one industrial park, starting from Jan, 2014
- >5% higher yields compared with central solution
- String-level precise management, reducing fault location time > 80%.



FusionSolar Cloud Management System



- Location: Guangdong, China
- Capacity: 7.8MW
- COD: Apr. 2014
- Multi Mppts, suitable for rooftops of different orientations, enables a higher yield over 8% compared with central inverters.





- Location: Madison, USA
- Capacity: 660kW
- COD: Apr. 2016
- A smart PV project on the roof of a cargo warehouse with short DC path and few DC nodes, effectively reducing fire risks caused by DC arcing, safety guaranteed.



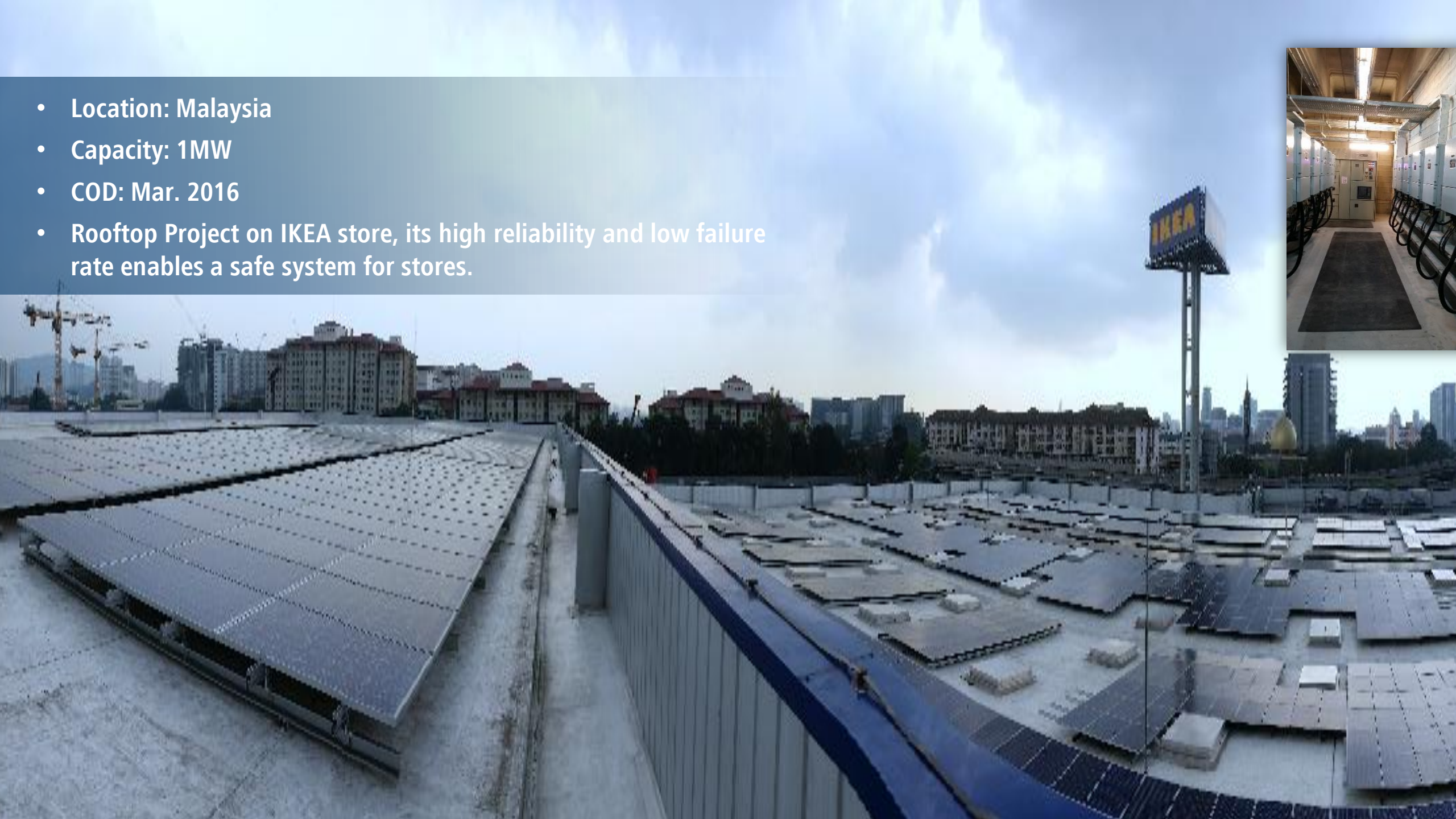


- Location: Delhi, India
- Capacity: 1.2MW(5 rooftops)
- COD: May. 2016
- Supplying power to a shoe factory and stable performance in the high temperature of Delhi, especially in May and June, when the highest temp. could reach 50°C.





- Location: Malaysia
- Capacity: 1MW
- COD: Mar. 2016
- Rooftop Project on IKEA store, its high reliability and low failure rate enables a safe system for stores.





- Location: Philippine
- Capacity: 1MW
- COD: May, 2016
- Rooftop project on a car park, 300 meters away from seashore. IP65 and the full-sealed design enable the high resistance against salt-mist.





- Location: Singapore Changi Airport
- Capacity: 2.6MW
- Model: 72pcs 36KTL
- COD: Dec, 2016
- Rooftop project on Changi Airfreight Centre Pass Office, light weight easy for the installation on rooftop, safe and reliable with fuseless and natural cooling design.





- Location: Jordan
- Capacity: 1MW, 15 Rooftops
- COD: 2013~2014
- Extreme Maximum Temperature: 50.1 °C
- Ground Temperature: 67 °C
- Stable Performance Over 1000 Days under High Temperature in Mid-East





- Location: Simmersdorf, Germany
- Capacity: 500kW
- COD: Jan. 2014
- Fuseless and natural cooling design without vulnerable parts ensuring the high reliability of rooftop PV system





- Location: Witmarsum, Netherlands
- Capacity: 381.5kW
- COD: Oct. 2015
- Fire risk reduced and safety guaranteed because of the short DC path and few DC nodes





- Location: Freiburg, Germany
- Capacity: 499.8kW
- COD: Sep. 2015
- Rooftop system on a cow farm, supplying power to daily use in the farm. Smart PV system has a short DC path and few DC nodes, reducing fire risks and ensuring a safe rooftop system.





- Location: Dresden, Germany
- Capacity: 350kW
- COD: Sep. 2016
- IP65, natural cooling, perfect for outdoor installation with high water resistance in rooftop PV systems.

