Impressive performance both in the north and south. The PLATINUM® range of inverters. Reference systems.

Piscina, Turin region, Italy.
Increased yield with multi-MPP tracking.

In the case of this plant near Turin, which was constructed in 2011, the problem of curved roofs with modules aligned in different directions was overcome by using string inverters and separate MPP-tracking for each row of modules. The yield of the plant was maximised with the aid of multi-MPP tracking and was increased across the board by 10 – 15% compared to the original forecasts. The total output of the plant is 269 kWp.

Equipment:
- 24 Diehl 7200 TL inverters
- 6 Diehl 6300 TL inverters
- 12 Diehl 4800 TL inverters
- 426 modules, each delivering 180 Wp
- 678 modules, each delivering 285 Wp

Podnanos, Vipava, Slovenia.
Decentralised solution with PLATINUM® string inverters.

With a power output of 950 kWp, the plant in Podnanos is one of the largest photovoltaic installations in Slovenia. In this plant, a decentralised solution is implemented solely with PLATINUM® string inverters. These deliver a higher yield than centralised inverters and suffer fewer failures. With the aid of the 135 MPP trackers of the 44 PLATINUM® 22000 TL inverters, it is possible to compensate for terrain-related differences in angle between he modules via multi-MPP tracking and thus to significantly increase the yield.

Equipment:
- 44 Diehl 22000 TL inverters
- 3,168 modules, each delivering 300 Wp

Euaggelismos Messinias, Peloponnese, Greece.
200 kWp with 30 PLATINUM® inverters.

These two photovoltaic parks in Euaggelismos Messinias in Greece each deliver an output of 2 x 100 kWp from a surface area of 10,000 m². The plant has been designed to run for 20 years and was constructed over a period of two months. Last year, the feed-in power was 2,150 kWh per kWp. There were two reasons why PLATINUM® inverters were chosen for this project: high quality and excellent value for money.

Equipment:
- 11 Diehl 7200 TL inverters per park
- 4 Diehl 4300 TL inverters per park
- 20 single-axis solar trackers
- 454 modules, each delivering 220 Wp

Littlehampton, West Sussex, south England.
The biggest rooftop solar power plant in the British Isles.

Britain's largest rooftop solar power plant with a total area of 6,355 m² and an output of 883 kWp was planned and installed in just three months in 2011. The electricity produced here is to be used in a self-sustaining system in order to reduce the energy costs of its operating company. In addition, this also helps to save 390 tons of CO_2 emissions every year. The plant can supply electricity to 200 households per year.

Equipment:
- 40 Diehl 22000 TL inverters
- 3,800 modules, each delivering 230 Wp

Warin, Mecklenburg-West Pomerania, Germany.
Flexible deployment of 115 PLATINUM® inverters on a total of ten roofs.

This installation, which is distributed over many roofs, presented a special challenge: thanks to the wide performance spectrum of the units in the PLATINUM® range, it was possible to equip eight large halls, one smaller hall and one office building – each with an apex roof pitched at 14° – with the best models to deliver the optimum power output. A total of 115 transformerless PLATINUM® inverters deliver high yield values, while four PLATINUM® WebMaster units are used for comprehensive monitoring. Constructed in 2010, the solar plant delivers an output of 904 kWp.

Equipment:
- 104 Diehl 7200 TL inverters
- 1 Diehl 6300 TL inverter
- 1 Diehl 4800 TL inverter
- 3 Diehl 4300 TL inverters
- 4,880 modules, each delivering 185 Wp