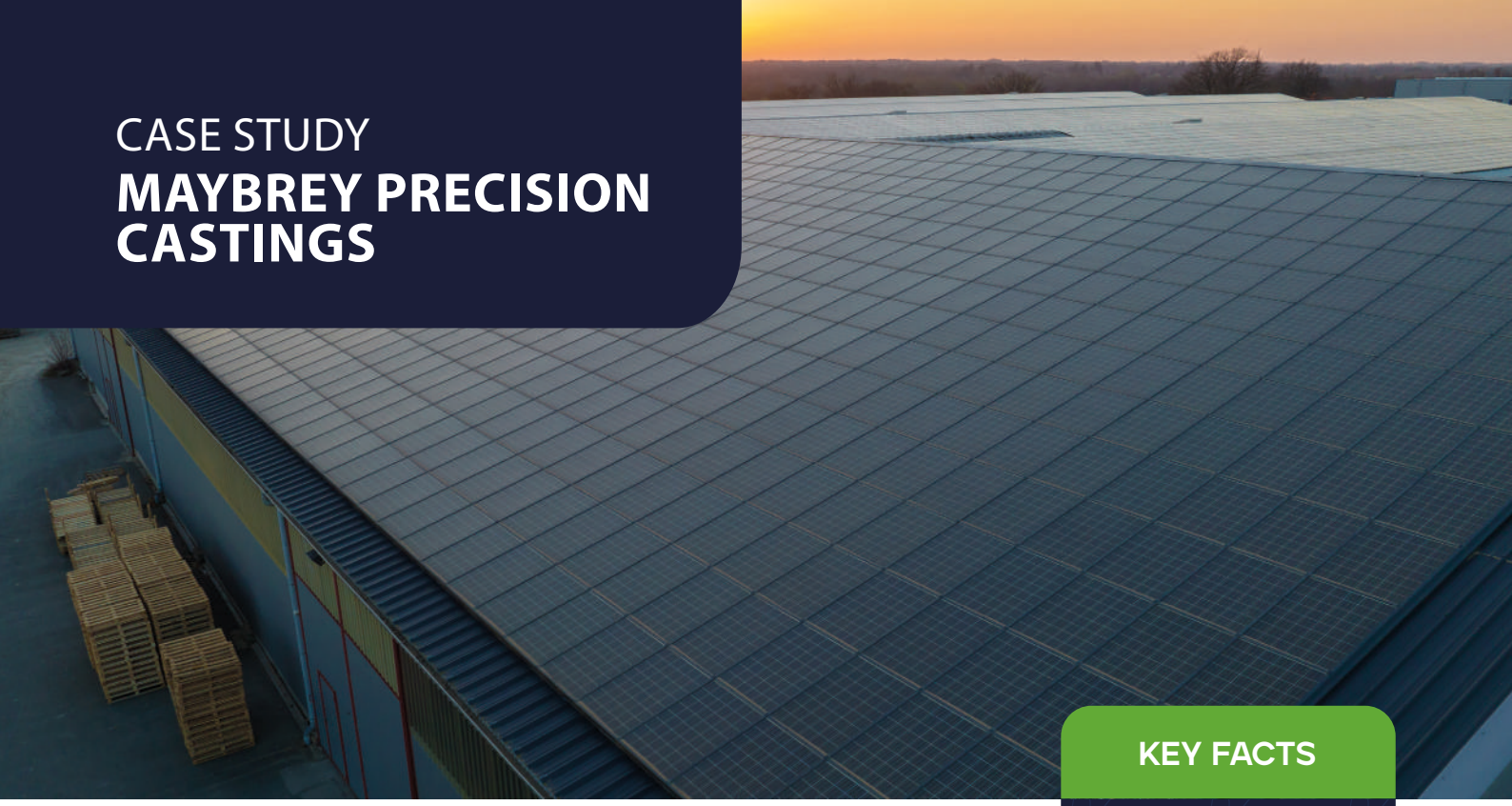
CASE STUDY

MAYBREY PRECISION CASTINGS



KEY FACTS

Installation time:
Four weeks

Carbon saved annually:
31,064kg

Annual energy generation:
103,604 kW

Array output:
102.71 kWp

As part of their commitment to sustainability, Maybrey Precision Castings, which is part of the Caro Group, wanted to install a Solar PV system on the rooftop of their site in Aylesford, Kent – a live class one metal foundry.

They produce aluminium gravity die castings and have a sand foundry at their site, producing specific cast irons, SG, bronze and aluminium.

Having already worked to improve its sustainability by introducing sand recycling, low-energy machinery and removing all fossil fuels from its production process, Maybrey Precision Castings wanted to do all it could to reduce its carbon footprint further.

THE PROCESS

Shawton Energy worked throughout a four-week installation process at the site in Aylesford to improve sustainability.

As Maybrey Precision Castings is a live class one metal foundry, strict safety procedures had to be followed at all times, and we planned ahead to ensure there was no disruption to Maybrey Precision Castings' working hours.

Throughout the four-week timeline, we installed a large rooftop Solar PV system comprising 260 395w Trina Solar Panels, 130 SolarEdge Optimisers, and 3 SolarEdge SE inverters.

THE RESULT

The new rooftop Solar PV system means that Maybrey Precision Castings are now producing up to 50% of their energy demand throughout the year – massively reducing their reliance on the National Grid. They've also helped to future-proof their business and protect themselves against future energy price hikes.

> "Maybrey Precision Castings wanted to do all it could to reduce its carbon footprint further."

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