



The aerospace and defence industries are renowned for leading the way in innovation. From developing new and ground-breaking materials, to advanced electronics and automation, technologies incubated by these industries such as structural composites and GPS quickly became popular in many commercial applications. It is therefore unsurprising that these industries have been key adopters of 3D printing and additive manufacturing, and we are excited to see what pioneering applications have been released this year.

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## First Airbus Qualified DED Parts

Description

**Entrant** - Airbus (Premium Aerotec)

**Partners** - Norsk Titanium; Testia

Two structural parts manufactured using 'directed energy deposition' (DED) have been qualified, produced and installed in serial production for Premium Aerotec on the A350. The parts have enabled reduced carbon emissions and resulted in DED being qualified for use as a standard manufacturing technology for new program developments within Airbus.