

Our strategy in action

Case study

Ramping up to meet growing demand

Links to strategy



With ever more rapid advances in technology, comes greater demand for compound semiconductors – that is, semiconductors made from a blend of two or more elements. The efficiency and flexibility of compounds unlocks capabilities which simply aren't possible with silicon alone: higher energy efficiency, higher power, a wider temperature range and greater optoelectronic properties.

Our brand-new, state-of-the-art compound semiconductor factory outside Bristol, part of the Advanced Technologies division, is now one of the world's leading facilities for the development of these game-changing devices. With triple the capacity of our previous site, 1,000 square feet of ISO 5- and ISO 6-classified cleanrooms, and advanced measurement and testing technologies from our Imaging & Analysis division, we are better equipped than ever before to help both academic and commercial customers accelerate the development, production and testing of next-generation capabilities.

We are increasingly working with high volume manufacturers to push boundaries, including a global advanced chip manufacturer as it expands in the US and Europe to support the vast datacentres needed to meet the huge data demand created by AI. We are also enabling customers to achieve their goals in a wide range of other growth markets, from augmented reality glasses to 3D sensing and quantum computing. With £500m+ of qualified opportunities in our sales pipeline, we are confident that the demand is there to maximise the potential of our brilliant new facility.

➔ Read more at plasma.oxinst.com

Strong qualified pipeline
of opportunities

£500m+

Double-digit order growth
on track with plans

13%