

Case Study

Robust surface coatings and application services continue to protect Hyspec's technology from corrosion and wear after more than a decade

Hyspec is a precision engineering company based in Stewarton, Scotland, that supplies the oil and gas, defence, aerospace and nuclear sectors.

THE CHALLENGE

Over a decade ago Hyspec was beginning to manufacture offshore oil and gas drilling equipment for the first time.

Manufacturing a wide range of parts and components, Hyspec required a partner that would work closely with them to outline the best coatings and applications for the intense wear and highly corrosive environments that their technology would have to withstand.

Hyspec also required a coatings specialist with the application capabilities to apply a wide range of coatings to small and very large components alike.



THE SOLUTION

Hyspec was already aware of Surface Technology as an established supplier to the oil and gas sector and recognised the value of the company's coatings knowledge for their new products. The locality of one of Surface Technology's sites, in East Kilbride, together with the facility's capacity for handling large components also fitted well with Hyspec's needs.

Working alongside Hyspec, Surface Technology provided specialist knowledge and advice on the best coatings and application processes for each application. The variety of coatings and application processes available at Surface Technology meant that there was a robust solution to the wear, corrosion, abrasion and friction challenges Hyspec's drilling technology would be facing in hostile subsea environments.

Surface Technology's range of Armourcote® coatings form a core part of Hyspec's solution; protecting downhole motor assemblies and drill components from the colossal wear, friction and abrasion they are exposed to. The barrier formed by Armourcote® extends life span, reduces maintenance and enables Hyspec's equipment to work more fluidly and efficiently.

Hyspec also utilise various other PTFE coatings depending on the needs of their clients and find that Surface Technology are able to meet all their requirements.

THE RESULT

- Proven coatings and application services, together with consultative approach, has developed a number of robust surface coating solutions for Hyspec
- Coatings provide enhanced protection against corrosion and wear for the harsh deep-sea environment where Hyspec's parts and components work
- The range of coatings and scale of infrastructure provided by Surface Technology meets the requirements of Hyspec's components, large and small
- Consistent high quality customer service and continuous improvement has resulted in Hyspec Engineering being a Surface Technology customer for over 10 years



Surface Technology has always given us quality coatings on a good timescale. They're an asset to our operation.

Craig Hyslop, Managing Director,
Hyspec Engineering