

## CASE STUDY: SUBSEA CHALLENGE

- **Troubleshooting a problem component**
- **High precision requirement. Concentricity: 25µm, Diameter: 12µm**
- **Severe duty application**
- **End-to-end process management**



### **Problem:** *Replace a failing component*

Our client brought a problem component to us to see if we could resolve the issues they were having. The aluminium component, used in deep-sea submarines, was supplied as casting. Due to poor detailing, the parts were not correctly aligned. This meant the component could not be used.

The client had a 50% rejection rate on the castings. This was resulting in production delays, all because the component was unusable.

### **Solution:** *A high-precision approach to deliver consistent quality*

Our client brought a problem component to us to see if we could resolve the issues they were having. The aluminium component, used in deep-sea submarines, was supplied as casting. Due to poor detailing, the parts were not correctly aligned. This meant the component could not be used.

### **Result**

*The client is delighted with the result. They have gone from seeing a time-consuming, costly 50% failure rate to passing all 110 items provided by NTG over the past two years. The component has performed to its exact specification.*



If you have any questions, want to discuss your project or get a quote for it, please contact us:

**Tel: +44 (0)191 482 2455**

**Email: [sales@ntg-ltd.co.uk](mailto:sales@ntg-ltd.co.uk)**

**Online: [www.ntg-ltd.co.uk](http://www.ntg-ltd.co.uk)**