Shipham Valves is one of the longest established and most highly respected valve manufacturers in the world, with a global reputation for excellence in product design, quality, reliability and the highest levels of customer service.

WHY DUPLEX?
The Shipham product range has traditionally been limited to low & medium pressure ratings, a reflection of their origins in the manufacture of valves in gunmetal and bronzes for the UK naval marine industry. Over the decades since, as new products and more corrosion resistant alloys (CRA) have been introduced to the product range, a need to move into higher pressure ratings became apparent. With Shipham’s recognised leadership in the manufacture of valves for sea water applications in bronze and nickel aluminium bronze materials it was decided to extend the product range in duplex and super duplex stainless steel materials up to ANSI 1500lb pressure ratings, as its use for similar applications increased.
The world’s preferred valve solutions partner

Shipham is now widely recognised as a global leader in the design and manufacture of high alloy valve products used in severe service applications, handling sea water and other corrosive media.

THE PROJECT
Following an extensive market research programme, which concluded that extending the duplex product offering into our existing markets was the shortest route to revenue growth, the decision to proceed became a formality. A project team was formed, headed up by Project Manager Ray Lockhart who has many years’ experience in the development of valve solutions and technologies. Experienced valve design engineers within the team created design specifications to meet the very latest international industry standards. Each valve has its own unique technical file which contains every element from design concept to 3D modelling, calculations, finite element analysis (FEA), validation test data, product data sheet and installation, operating & maintenance instructions (OMI). The project team oversaw the whole validation testing programme to ensure total compliance with market and industry requirements.

SUPPLY CHAIN CRITERIA
During the design phase Shipham worked closely with our supply chain and, in particular with foundries to simulate & model the casting designs using Magmasoft software to evaluate flow and solidification characteristics during the casting process to ensure optimum and consistent integrity of all castings. All pressure containing components are sourced from Norsok M-650 approved foundries which ensures that consistent and reliable casting processes are in place, a pre-requisite demand in the conclusions of the market research programme.

QUALITY ASSURANCE
As a part of the validation process each prototype valve has undergone a stringent test regime which was independently witnessed and certified. Various tests were involved including; hydrostatic, high & low pressure air, torque (operational and MAST), fugitive emission, cycle and fire testing. All of these processes are fully supported by Shipham Valve’s ISO 9001:2008 accredited Quality Management System (QMS) which also includes API Monogram, ISO 14001 and OHSAS 18001 accreditations.
**DUPLEX VALVE RANGE**
- Gate, globe, ball, check and butterfly valve types
- ½” - 48” / DN15 – DN1200
- Up to ANSI 1500lb pressure ratings
- API 600, API 603, API 609, API 594, API 623, API 6D, ISO 17292 & BS 1868 design standards
- Norsok M-630 material standard; ASTM A995 Grades; 4A, 5A & 6A
- Norsok M-650 qualified supply chain

**CAPABILITIES**
Operating from a 8700 square metre manufacturing facility in Kingston-upon-Hull, Shipham Valves designs and manufactures a diverse range of valves by type, size and material. The Shipham product range includes gate, globe, check (swing and wafer), ball and butterfly valves in sizes up to 1200mm (48”). Utilising state-of-the-art manufacturing facilities and with a focus on high alloys associated with handling corrosive media;
- Nickel Aluminium Bronze
- Bronze
- Hastelloy®
- Duplex Stainless Steel
- Titanium
- Monel®
- Zirconium
- Inconel®
- Alloy 20
- Glass Reinforced Epoxy (GRE)
Valves manufactured by Shipham are widely used in flow control applications across a diverse range of industries – offshore and onshore oil and gas, refining and petrochemical processing, LNG liquefaction and regasification, power generation, desalination and naval marine.

**PROJECT MANAGEMENT**
Shipham Valves has vast experience in managing multi-million Dollar valve packages for international projects. Our dedicated project team will handle all aspects of project management, from initial bid request through to final acceptance test and shipment.

Networked computerised systems control and integrate all functions of the project, including supply chain management, MRP / capacity planning, documentation control, factory acceptance test (FAT), communications and logistics.

Whether your project is large or small, Shipham Valves will apply the same professional approach, ensuring the highest level of customer satisfaction.