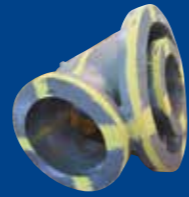


Additionally, synergies exist with other Manoir Industries subsidiaries.

CASTING

Manoir Industries has a strong experience with the most stringent specifications in centrifugal and static castings for various industries, where high temperature, corrosion, and high QC standards for materials are a real challenge to withstand. Its plant of Pitres has been providing customers in the Oil and Gas Industry with components in critical applications such as valve bodies, various pump components or even offshore structural parts.

Certifications: ISO 9001, Lloyd Germanischer, Lloyds Register, TÜV, ABS, Achilles QJS and FPAL, DNV, KGS, NK, PED, Norsok



Valve Body

ASSEMBLY / WELDING

Manoir Industries has metal sheet fabrication and welding facilities. The company has extensive experience in the fabrication and welding of heat resistant and corrosion resistant steels and alloys and specializes in high temperature and high pressure components. In the Oil and Gas industry, products are supplied such as piping spools, pig launcher receivers, strainers, valve bodies, filters...

Certifications: ISO 9001, Achilles, ABS, DNV, Norsok, PED



Subsea Pig Launcher

GEAR CUTTING

With state-of-the-art equipment and highly automatized facility, Manoir Industries is focused on complex gear cutting operations to supply various gearings and pinions to customers.

Certifications: ISO 9001, EN 9100

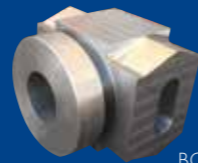


Gear

OPEN-DIE FORGING

THM facility is an important supplier of large open-die forgings for the Nuclear industry. It completes Manoir Industries Oil & Gas forging scope with capabilities from 10 up to 200 tonnes for the most stringent applications.

Certifications: ISO 9001, ISO 14001, ISO 18001, API Q1, PED



BOP Body

MANOIR INDUSTRIES

Future is our raw material.

As a metal processing specialist, Manoir Industries develops alloys and operates processes for the manufacture of high-performance components. Known and recognized for several decades, its know-how is complemented by expertise in forging, casting, boilermaking, welding and assembly. Manoir's solid technical expertise continues to drive its sustainable leading position offering innovative services to its customers worldwide as true partners.

Credits: Manoir Industries, iStock, March 2019, wellcom

OIL & GAS SOLUTIONS



MANOIR INDUSTRIES, A GLOBAL SUPPLIER FOR THE OIL & GAS INDUSTRY

With over 100 years of history focused on metal processing, Manoir Industries has developed its expertise and reputation in the design, production and delivery of high-quality components and services for the most stringent applications. Through its international industrial organization, specialized in forging, casting and completed by a cutting edge know-how in component machining, gear cutting and welding, Manoir Industries is a global leading turnkey solution supplier for the Oil and Gas industry.



FORGED COMPONENTS FOR CRITICAL AND COMPLEX APPLICATIONS

Manoir Industries offers a **broad scope of forging capabilities with heavy closed-die and hot extruded forgings**. With production processes adapted to small and mid-sized batches, Manoir Industries is **specialized in critical and morphologically complex components in a wide range of materials** from carbon steel, stainless steel, duplex to super alloys including nickel and titanium alloys.

BROAD RANGE OF CAPABILITIES AND SERVICES

From **pre-engineered products, to fully customized designs**, Manoir Industries has a solution for every application whatever is the required machining for your components (rough, pre-machined as finished, ready-to-assembly components) coming from forging, **we handle and deliver**.

- **Closed-die forging** up to 1,000kg / 2,200lbs
- **Hot extrusion** up to 1,700mm length and 500mm OD / 66inches length and 20inches OD
- **Heat treatment**
- **Machining**
- **Cladding**
- **In-house die machining**
- **In-house laboratory and NDT controls**

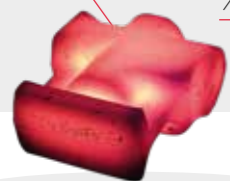
Certifications: ISO9001, ABS, DNV, NORSOK

DRILLING

Comprehensive range of forging components fully in compliance with the up-to-date standards like API 16A 4th edition for:

**BOP SYSTEMS / MANIFOLD FITTINGS /
DRILL BITS / FRACKING PUMPS /
API CLAMPS / TOP DRIVES / JACK UPS**

Fluid end / 17-4ph
345kg/760lbs



BOP Bonnet / 4130
750kg/1,655lbs



SUBSEA

Because offshore development is moving into more challenging environments, Manoir Industries provides according to NORSOK M650, DNV RP0034 and other bespoke project requirements with sub components for:

**MANIFOLD VALVES / ACTUATORS CONNECTORS
/ PRODUCTION CHOKES / PIG LAUNCHERS /
PIPELINE VALVES / J-LAY COLLARS**

12" Hub Body F65
560kg/1,230lbs



2" Gate Valve
F55 80kg/175lbs



SURFACE

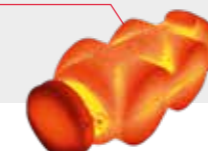
A range of surface systems and wellhead forging components in low alloy and stainless steels are delivered for onshore and offshore applications. Manoir Industries provides in small batches, short lead-times and API6A compliant, with:

**WELLHEAD VALVES AND CHOKES TO REQUESTED
DESIGN / GENERIC DIES FROM 2" TO 7" /
ACTUATORS**

Valve body



Dual Valve 4130
910kg, 200lbs



EQUIPMENT FOR TRANSPORT

To meet customers' requirement in valves and measurement, Manoir Industries is positioned to deliver:

**VALVES / PUMP BODIES AND HOUSING /
CLAMP CONNECTORS**

12" plug / 4130
281kg/620lbs



Impeller - Ø17" - TA6V

