



➤ HELANDER

**THE RIGHT
PARTNER FOR
MISSION CRITICAL
COMPONENTS**

helander.co.uk

45 years of experience to inspire confidence in precision engineering

Trusted and recognised as a key provider of precision components and engineered solutions in the Aerospace & Defence, Energy, Oil & Gas, Nuclear, Construction, Marine & Industrial markets. Helander has over 45 years' experience working to the highest standards, controls and compliance. Core Helander activities involve manufacture of hard metallic components and subassemblies

ranging from super alloy materials to steels and aluminium using conventional subtractive CNC 'lights out' manufacturing to provide value for money and reduced costs for our customers. Helander has experience of machining and treatment of additively manufactured parts grown from inconel and titanium powders and has conducted successful machining trials in collaboration with our customers

- ✓ Solution Provider
- ✓ Turnkey Engineering
- ✓ Machining and Assembly
- ✓ Sector Focussed Approach & Application Knowledge

OUR STRATEGIC DEVELOPMENT:

Innocence to Excellence I2E

Our strategic development program is encapsulated within the highly commended 'Innocence to Excellence' framework.

The program challenges and defines core competencies within our business to meet objectives and aligns operating procedures and behaviours to be the best in practice. We assess and monitor key disciplines within 12 monthly defined targets. This enables our processes to be maintained to the highest standard and showcases an excellent comprehensive and 'working' quality management system. Systemically, this raises the skill

contributions by our employees and enhances performance within our learning organisation.

Achieving our business KPI's and performing exceptionally to deliver OTIF (On Time In Full), our daily practice and primary care closely monitors the SQDCP communication boards to enhance employee engagement at each part of the business.

WEEKLY UPDATES

The innocence to excellence program is initiated on an annual basis to achieve our budgetary objectives.

It is a policy deployment tool, known in lean circles as Hoshin Kanri or Strategy Deployment, and is a technique for ensuring that our organization's strategic goals and objectives drive activities.

We agree on common projects that achieve a continuous improvement by way of setting SMART objectives within a six week plan and measuring achievements reviewing agreed KPI's weekly.



INNOVATION

Changing innovative ideas into reality.



QUALITY ASSURED

At Helander, Quality comes FIRST, LAST and ALWAYS.



PROMPT DELIVERY

Committed to JIT delivery strategies. At HPE we track, and monitor customer perception to deliver excellent customer service



SECURITY

Security level meets with standards for customer products and employees



OUR VISION

To be recognised as the best in our chosen strategic markets



OUR MISSION

To develop Helander's integral partnerships with our Customers



OUR VALUES

Respectful, challenging, ownership, pace, openness and enabling

MARKET:

Aerospace & Defence



OUR CAPABILITIES

- Actuator components
- Rocket Motor/Body assemblies
- Flight deck control handles/throttles
- Fuel system components
- De-Icing components
- Slat arm assemblies
- High Pressure Air Systems
- Filter Housings
- Fuel Pump Casings
- Antenna Bases
- Interior Components - Dressings, Seating, Galley
- Enclosures
- Heat Sinks

A wealth of experience in providing a full turnkey practice to both the commercial and defence aerospace sectors.

We support all major OEM's, Tier 1, Tier 2 and aftermarket providers from the early design for manufacture (DFM) stages, prototype manufacturing, series production and a continuation with the ongoing supply of legacy componentry.

Typical components are used to support Aerospace and Defence programs and due to the weight design attributes tend to be manufactured from aluminium or titanium. Our 26 CNC machine tool range allows high speed machining with top end 25,000 rpm spindle and high-pressure coolant availability if required.

Component materials in various forms, consumables and assembly items are sourced in line with customer requirements from AS9100 approved supply chain companies. We machine using our precision CNC machine tools to the agreed design print specifications, providing FAI reports, to full requirements as requested. Within the full turnkey package, we source and manage all external processes such as hard anodise, Alocrom, paint, NDT etc. and of course provide assembly to complete the desired supply.

To finish, we provide transport to the customer facility or support an ex-works storage solution if that is more suitable.

MARKET:

Energy

A wealth of experience in providing a full turnkey practice historically to the 'Oil and Gas' sector, with more recent transactions into renewable energy markets, including wind, sea, and electric vehicle.

We support all major OEM's, Tier 1, Tier 2 and aftermarket providers from the early design for manufacture (DFM) stages, prototype manufacturing, series production and a continuation with the ongoing supply of legacy componentry.

Typical components are used to drill oil well feed holes into the ground being able to cut through a variation of formations, soft to hard. We have experience in machining down hole steering systems which include the main drill shafts, electronic control chassis', flow kit components such as impellers and stators, the rock drill head's, main shaft clamp plates and steerable wear pads, pistons, jam nuts, casings etc.

Within this industrial sector a lot of the materials lean towards hard wearability and exotic, with complex geometrics to achieve. Our 26 CNC machine tools being of a high level of quality can easily tackle these demanding materials.

Component materials in various forms, consumables and assembly items are sourced in line with customer requirements from approved supply chain companies. We machine using our precision CNC machine tools to the agreed design print specifications, providing FAI reports, through to full PPAP requirements as requested. Within the full turnkey package, we source and manage all external processes such as hard face, hard insert assembly, HVOF, Hardide, Teer coating, Balancing, and of course provide assembly to complete the desired supply.

To finish, we provide transport to the customer facility or support an ex-works storage solution if that is more suitable.



OUR CAPABILITIES

- Rotary Steerable System Components
- Main Drive shafts
- Impellers & Stators
- Drilling heads
- Stabilisers
- Pads, Clamp Plates, Spiders
- Can Cells
- Jam Nuts
- Spindles & Turbine shafts
- Bias unit hardware
- Slip Ring & Casings
- Metering Components
- Pump & Zero Loss Pump Components
- Component Repair
- Battery Casings
- EV Motor Casing
- EV Motor Shafts

MARKET:

Nuclear



OUR CAPABILITIES

- Pump and Valve bodies & components
- Filtration components
- Hot Glove Box components/assemblies
- Decommissioning System components
- Pressure Release Valve assemblies

A wealth of experience in providing a full turnkey service to the nuclear sector.

We are 'Fit 4 Nuclear' approved and have a wealth of nuclear industry supply knowledge, supporting defence programs, decommissioning, and new energy initiatives.

We support all major OEM's, Tier 1 and Tier 2 from the early design for manufacture (DFM) stages, prototype manufacturing, series production and a continuation with the ongoing supply of legacy componentry.

Typical components are used to support defence programs with pump and valve bodies, shafts, filtration components, decommissioning safety parts, and new energy projects.

Within each sector, materials vary from soft, hard to specialised with complex geometries to achieve. Our CNC machine tools being of a high level of quality can easily tackle these demanding materials.

Component materials in various forms, consumables and assembly items are sourced in line with customer requirements from approved supply chain companies, western supply and AS9100 approved. We machine using our precision CNC machine tools to the agreed design print specifications, providing FAI reports, through to full PPAP requirements as requested. Within the full turnkey package, we source and manage all external processes, and of course, provide assembly to complete the desired supply.

To finish, we provide transport to the customer facility or support an ex-works storage solution if that is more suitable.

MARKET:

Construction, Marine & Industrial

A wealth of experience in providing a full turnkey practice historically to various industrial sectors, with more recent transactions into Formula 1, and space programs.

We support all major OEM's, Tier 1, Tier 2 and aftermarket providers from the early design for manufacture (DFM) stages, prototype manufacturing, series production and a continuation with the ongoing supply of legacy componentry.

Typical components range from wear bushes, shims, propellers, through to Super Yacht fittings.

Materials are normally in line with weight, wear, and friction characteristics and so we specialise in various grades of aluminium, bronze, and brass.

Component materials, consumables and assembly items are sourced in line with customer requirements from approved supply chain companies. We machine using our precision CNC machine tools to the agreed design print specifications, providing FAI reports when required, through to full PPAP requirements as requested.

To finish, we provide transport to the customer facility or support an ex-works storage solution if that is more suitable.



OUR CAPABILITIES

- Super Yacht Light Fittings
- Bushes
- Transmission Components
- Hydraulic Components
- Pump & Zero Loss Pump Components
- Machined Forgings
- Specialised Suspension Arms
- Propellers
- Boat Propeller Shaft Brackets
- Brass Cutless Bearings
- Stern Tubes
- Motor Sport High Precision Components

WE'D LOVE TO HEAR FROM YOU

Get in contact

OUR DETAILS

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HELANDER

PRECISION ENGINEERING

FINDING HELANDER

Helander is located just off Junction 9 of the M5, in the historical town of Tewkesbury, Gloucestershire. Tewkesbury boasts many local amenities, including shops and recreational attractions. Helander is also within easy commute from the neighbouring towns of Gloucester, Cheltenham, Worcester and Evesham.

