

CAPABILITY STATEMENT



JENNICKS INDUSTRIAL ENGINEERING

OPERATIONS & MAINTENANCE
ENGINEERING CONSULTANCY
PROJECTS



JENNICKS

INDUSTRIAL ENGINEERING FOR OPERATING ASSETS

Jennicks provides multi-disciplinary engineering support to industrial operators, asset owners, manufacturers and project teams across the UK.

From planned and reactive maintenance to plant improvement, engineering consultancy and project delivery, we combine practical operating experience with mechanical, electrical, controls, process and fabrication capability.

Jennicks can provide a specific technical discipline, a defined work package, an integrated project team, additional engineering capacity alongside an existing maintenance department, or a wider intervention where an operation requires experienced support to stabilise and improve performance.

Operate & Maintain

Integrated O&M, planned and reactive maintenance, shutdowns and embedded engineering support.

Engineer & Improve

Troubleshooting, reliability, process and performance engineering, modification and optimisation.

Design & Deliver

Engineering consultancy, design support, project management, installation, commissioning and handover.

BUILT ON EXPERIENCE

ENGINEERING EXPERTISE SHAPED BY INDUSTRY

Jennicks is based in South Wales, a region with generations of engineering experience across steel, power generation, heavy manufacturing and process industries.

That heritage brings practical understanding of operating plant — where reliability, production pressures, shutdown constraints and sound engineering decisions matter. Jennicks combines this experience with modern mechanical, electrical, controls, process and project capability, delivering engineering support to industrial clients across the UK.



A strong engineering base

Mechanical, electrical, controls, fabrication, maintenance and operational knowledge drawn from one of the UK's most established industrial regions.

Experience that transfers

Skills developed in steel, power and process environments transfer naturally into waste, energy recovery, manufacturing, aggregates, packaging and other asset-heavy sectors.

UK-wide mobilisation

Mobile engineers, specialist resource and project teams can support clients well beyond South Wales for shutdowns, projects, commissioning and operational interventions.

A growing capability network

A core Jennicks team supported by trusted specialist engineers and contractors where projects require additional disciplines or capacity.

OPERATIONS AND MAINTENANCE

SUPPORT FOR LIVE INDUSTRIAL OPERATIONS

Jennicks supports facilities where reliability, availability and engineering response directly affect safety, production and commercial performance.



Our O&M capability can complement an established maintenance function or provide broader support where the client needs engineering depth without permanently retaining every technical discipline in-house.

Planned maintenance

Preventative maintenance, inspections, worklist development, servicing and maintenance backlog reduction.

Embedded engineering

Resident or semi-resident engineers working as an extension of the client's maintenance and operations team.

Shutdown support

Planning, resourcing, supervision, specialist work packages, execution and recommissioning.

Reactive support

Breakdown response, fault diagnosis, rectification and urgent mechanical, electrical or controls intervention.

Reliability improvement

Recurring fault review, equipment condition, alignment, maintainability and targeted improvement programmes.

Technical coordination

OEM liaison, contractor coordination, engineering supervision, reporting and prioritisation.

Support can be provided under call-off arrangements, defined packages, framework agreements, annual maintenance contracts or embedded O&M models

MECHANICAL ENGINEERING

Practical mechanical engineering support for the maintenance, repair, installation and modification of industrial plant and equipment.

Rotating Equipment

Maintenance, repair and replacement of pumps, fans, motors, gearboxes, bearings, couplings and drive systems.

Materials Handling

Conveyors, transfer systems and associated mechanical equipment used in demanding industrial environments.

Precision Maintenance

Laser shaft alignment, hydraulic torquing, bearing and coupling removal, mechanical setting and equipment condition assessment.

Installation & Overhaul

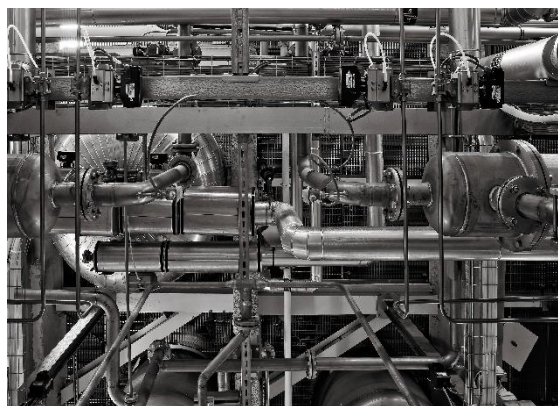
Equipment removal, installation, replacement, overhaul, alignment and commissioning support.

Plant Modification

Mechanical modifications, equipment replacement, access improvements and engineering changes to improve reliability and maintainability.

Pipework & Steelwork

Fabrication and installation of industrial pipework, supports, steelwork and associated plant modifications.



ELECTRICAL, CONTROLS & INSTRUMENTATION

Jennicks provides electrical, control systems and automation support for industrial plant, from fault finding and individual PLC installations through to integrated plant-wide automation, SCADA and data management systems.

Electrical & Instrumentation

Industrial electrical fault finding, installations and modifications, instrumentation support, testing and commissioning.

Controls & Automation

PLC, HMI, SCADA and DCS support, design, programming, configuration and implementation, with particular expertise in **Rockwell Automation** platforms.

PLC Systems

Support, design and programming for standalone and integrated PLC systems, including PLC5, SLC500, MicroLogix, CompactLogix and ControlLogix.

SCADA & HMI

Design, configuration and implementation of operator interfaces and supervisory systems, including FactoryTalk View and PanelView platforms.

DCS & Plant-Wide Automation

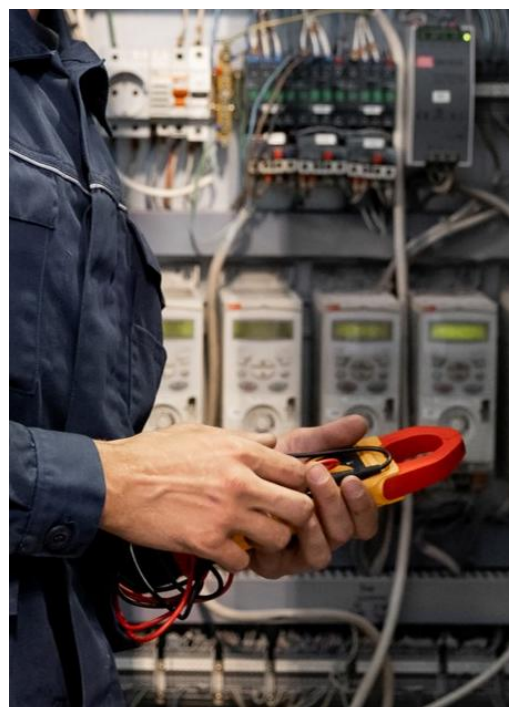
Design, configuration and implementation of integrated control architectures, including **FactoryTalk PlantPax**, multiple PLC systems and server-based SCADA.

Industrial IT & Networks

Industrial network communications, PC systems and supporting infrastructure for connected automation and control systems.

Plant Information & Data

Plant management information systems using **FactoryTalk Historian** for process data capture, storage, analysis and improved operational visibility.



From individual control system support to integrated plant-wide automation.

PLANT REPAIR & MODIFICATION

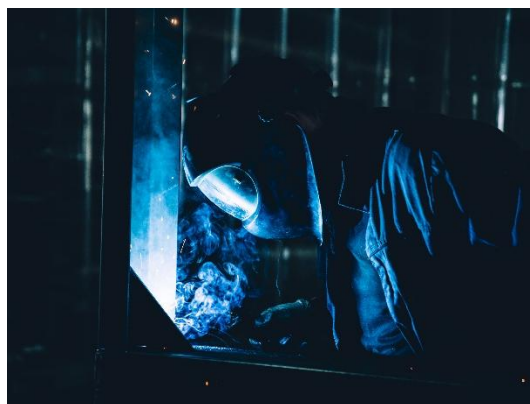
Jennicks provides hands-on engineering support for the maintenance, repair and modification of industrial equipment and systems. Our site capability complements our wider mechanical, electrical and controls expertise, allowing engineering problems to be taken from diagnosis through to practical implementation.

Maintenance and Component Replacement

Jennicks supports the inspection, repair and replacement of worn or failed components and equipment. This can range from individual component changes through to larger maintenance packages undertaken during planned shutdowns. Capability includes maintenance of materials-handling and process equipment, replacement of filter bags and associated components within bag-filter systems, equipment change-outs and general plant repairs.



Where recurring maintenance issues are identified, Jennicks can also assess the underlying cause and develop modifications aimed at improving reliability, access and maintainability.



Fabrication, Welding & Modification

Jennicks provides site and workshop fabrication and welding to support plant maintenance, equipment installation and engineering modifications.

Capability includes coded welding, pipework, structural and support steelwork, equipment supports, repair of existing plant and bespoke fabrication. This allows modifications identified

by our engineering teams to be carried through into practical site implementation rather than stopping at the design stage.

Fabrication capability can be provided as a standalone service or integrated with mechanical, electrical, controls and project work.

Refractory & Thermal Plant

Jennicks provides planned and emergency refractory maintenance for boilers, furnaces, kilns, incinerators and other refractory-lined industrial equipment.

Our capability includes refractory inspection, repair and replacement together with spray and mouldable repair techniques where appropriate. Work can be incorporated into planned outages or mobilised in response to refractory failure, with a focus on minimising downtime and achieving a safe, effective return to service.



PROCESS IMPROVEMENT

Engineering support focused not simply on repairing equipment, but understanding why the plant is not performing as intended.

Plant Performance Assessment	Review of throughput, availability, recurring stoppages, operating constraints and equipment/process interactions.
Root-Cause Investigation	Structured investigation of recurring failures, trips, instability and operational problems.
Bottleneck Identification	Identification of mechanical, controls, process and operational constraints limiting plant performance.
Controls & Process Review	Assessment of sequences, interlocks, instrumentation, trends and operating logic in the context of the wider process.
Improvement & Optimisation	Translation of findings into practical maintenance actions, modifications, control changes and engineering projects.
Commissioning & Performance Support	Engineering input during commissioning, optimisation, test runs and verification following plant modifications.

ENGINEERING CONSULTANCY & PROJECTS

TECHNICAL SUPPORT ACROSS THE PROJECT LIFECYCLE

Jennicks provides engineering consultancy, design and project capability for asset owners, operators, manufacturers, OEMs and project teams across industrial and process environments.

Our team can support clients at the earliest stages of a project, helping to investigate a technical challenge, assess feasibility and develop the right solution, or provide engineering capability through design, procurement, installation, commissioning and handover.

Plant & technical studies

Plant assessments, engineering investigations, option studies, equipment assessments, maintenance and reliability reviews.

Concept & design support

Concept development, basis of design, equipment selection, layouts, design coordination and practical design review.

Project development

Scope definition, programme development, procurement support, OEM engagement and technical tender review.

Brownfield engineering

Design and planning where existing plant, access, shutdown windows and operational interfaces constrain the solution.

Technical due diligence

Practical engineering input to asset, equipment and project review where condition, maintainability and delivery risk need to be understood.

Operability & maintainability

Reviewing designs from the perspective of the people who will ultimately operate, inspect, maintain and repair the plant.

OWNER'S ENGINEER & CLIENT-SIDE SUPPORT

Not every client needs Jennicks to deliver the entire project. We can also provide technical capability alongside an existing client, EPC contractor or project team.

We provide support across the full project lifecycle shown below, or provide targeted technical capability at any individual stage:

Understand - Plant assessments, technical investigations, feasibility and option studies, equipment assessments, performance reviews and technical due diligence.

Develop - Concept development, scope definition, basis of design, equipment selection, layouts, OEM engagement and project development.

Design - Design development and coordination, brownfield interfaces, constructability, operability and maintainability review, specifications and technical tender documentation.

Deliver - Coordinating the delivery of industrial projects, including procurement support, OEM coordination, programme development, and integration of mechanical, electrical and control systems.

Commission - Commissioning management, controls and process support, troubleshooting, defect resolution, performance testing, punch-list management and operational handover.

Concept Design & Development
Engineering Drawings
Design Reviews
Process Flow Diagrams (PFDs)
Piping & Instrumentation
Diagrams (P&IDs)
Mass & Energy Balances
Process Calculations

Process Optimisation
Process Equipment Sizing
Plant Layouts
Pipework Specifications
CAPEX Estimates
OPEX Assessments
Project Cost Estimates
Technical Risk Assessments

Concept Design & Development
Procurement Specifications
Vendor Assessment
Plant Upgrade Studies
O&M Documentation
Site Assessments
Retrofit Studies
Programme Development