

# **Procurement of analytical system OEE (Overall Equipment Effectiveness) for Yorkshire Precision Engineering Limited**

## **Summary**

This tender seeks proposals for the implementation of an Overall Equipment Effectiveness (OEE) analytical system, for Yorkshire Precision Engineering Ltd, a rapidly growing UK manufacturer of sub-contract engineering. The objective is to improve manufacturing productivity by measuring, tracking and identifying losses in machine availability, performance, and quality. A system that will schedule, monitor and have program management software that fits seamlessly with our system.

The anticipated project start is March 2026, with completion expected by the end of 2026.

## **Overview**

Yorkshire Precision Engineering Ltd is a sub-contract manufacturer, operating from 2 sites in West Yorkshire, supplying components to a variety of sectors view our website [www.ypel.co.uk](http://www.ypel.co.uk)

All machines are computerised numerical controlled (CNC) these are programmed remotely and sent to the lathe or vertical machining centre (VMC), we require a system that offers the following:

- Real-Time Data Collection
- Improves performance - Monitors Actual Cycle Time / Ideal Cycle Time
- OEE Data analytics
- Measures losses due to downtime, setups, Inspection and breakdowns.
- Scheduling from our ERP system
- Live dashboards / Operator Tablets
- NC Programming offline software
- DNC software

The successful system implementation will support internal users across operations, scheduling, and production, while indirectly improving customer satisfaction through more accurate efficiency and time scaling.

## **Methodology**

Suppliers are expected to present a comprehensive delivery methodology that addresses the following elements:

- A structured analysis of business requirements, including detailed process mapping
- Technical integration with our existing MRP system (Progress Plus)
- A collaborative and structured approach to system configuration, training, testing, and go-live support
- Clear and comprehensive documentation of the implementation plan, including defined contingency arrangements
- Adherence to appropriate ethical standards in the management and handling of operational and financial data

## **Outputs/Deliverables**

Expected project outputs include:

- Installation and configuration of Hardware and Software.
- Customised workflows for CNC programming, manufacturing monitoring and scheduling.
- User training across required departments.
- Mid-project and completion review reports at various stages to be agreed.
- Accessible reporting outputs to see trends and time wastage.

## **Contract Management**

- Project Start: Spring 2026
- Completion Deadline: December 2026
- Contract to be signed off by Sam Laybourne, Managing Director
- Payments will be defined in the project contract.
- A service-level agreement (SLA) for post-launch support will be required.

## **Award Criteria**

Proposals will be assessed using the evaluation matrix (available on request) and scored based on:

- Demonstrated understanding of manufacturing, CNC Programming and ERP integration.
- Experience with Progress Plus or similar systems.
- Value for money and total cost of ownership.
- Implementation timeline and risk management plan.
- Support, training, and futureproofing of the system.

## **Procurement Process**

- Proposal submission deadline: 30<sup>th</sup> April 2026
- Clarification meetings: May 2026
- Notification of procurement decision: End of May 2026
- Submission format: PDF, sent to sam@ypel.co.uk subject line "OEE Proposal"

## **Note to Suppliers**

This tender brief outlines our expectations and project scope. Suppliers are advised to submit comprehensive responses addressing all deliverables, timelines, and requirements. Incomplete submissions or deviations from the specified format may result in exclusion from the evaluation process.

We look forward to receiving your proposals and selecting a partner to support YPEL's next stage of growth.