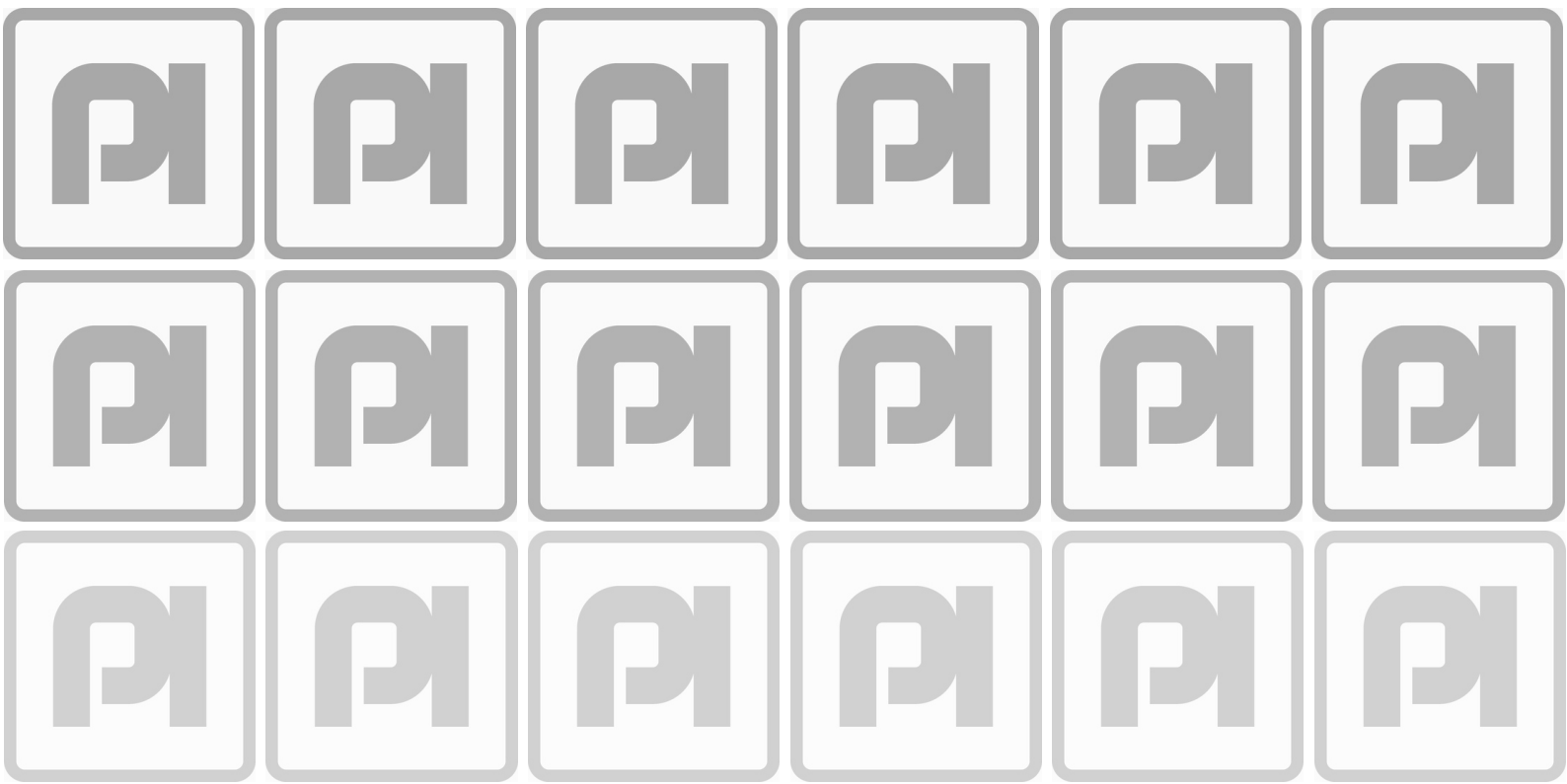




**PROCESS  
INSTRUMENT  
SOLUTIONS**

**UNPARALLELED SERVICES & SOLUTIONS**



# UNPARALLELED SERVICES & SOLUTIONS

We stand out. Our CompEx-trained technicians and engineers are experts in designing, installing, programming, tuning and troubleshooting virtually any control instrumentation or system.



WHAT CAN WE DO FOR YOU?

# MAINTENANCE & CALIBRATION

Unplanned maintenance can cripple your plant, from downtime costs to costly replacements. These can be minimised by appropriate service and maintenance, with calibration being the cornerstone to both savings and safety. We pride ourselves in delivering accurate measurements, flexible working around the customer and appropriate adjustments to keep your plant running smoothly.

## INDUSTRY APPLICATIONS:

OIL & GAS

ENERGY GENERATION

FOOD & BEVERAGE

ENVIRONMENTAL MONITORING

## CASE STUDY

### BACKGROUND

Rookery South ERF processes up to 657,000 tonnes of residual waste annually, reducing landfill and generating electricity for 112,500 homes. Its efficiency, safety, and compliance rely on accurate measurement of temperature, pressure, flow, and level.

### RESULTS

Calibration of over 250 instruments resulted in improved measurement accuracy across the entire plant, from temperature and pressure monitoring in the combustion chamber to precise emission readings at the stack.



# BENEFITS FOR YOU



## MINIMISED DOWNTIME COSTS

Effective service and maintenance, including calibration, reduce the risk of unplanned maintenance, saving you money on downtime expenses and costly replacements.



## ENHANCED SAFETY

Calibration serves as a cornerstone for safety, ensuring accurate measurements that contribute to a safer working environment for your plant personnel.



## FLEXIBLE SERVICE

We prioritise flexibility, working around your schedule to provide timely and convenient service that minimises disruptions to your operations.



## OPTIMAL PLANT PERFORMANCE

Our expertise allows us to make appropriate adjustments, keeping your plant running smoothly and efficiently, ultimately maximising productivity and profitability.

# WHAT CAN WE DO FOR YOU?

## FULL TURNKEY SOLUTIONS

Project planning can be tiresome and stressful, but at Process Instrument Services we are more than happy to take over this process. From initial site survey, to installation and commissioning, to planned maintenance and calibration, we are dedicated to providing bespoke systems that work and leaves you free to focus on other areas.

### INDUSTRY APPLICATIONS:

OIL & GAS

ENERGY GENERATION

CHEMICAL

FOOD & BEVERAGE

ENVIRONMENTAL MONITORING

## CASE STUDY

### BACKGROUND

East Midlands Airport needed a replacement for its aging Biological Oxygen Demand (BOD) analysers, essential for managing surface water runoff. De-icing agents used in winter raise BOD levels, making the runoff unsafe for direct discharge into local watercourses.

### RESULTS

TOC and BOD comparison testing will continue, with results shared with regulators. The client monitors system performance in real-time via a web portal. Monthly maintenance ensures analyser reliability and extends equipment lifespan.



# BENEFITS FOR YOU

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## STREAMLINED PROJECT PLANNING

We handle the entire project planning process, from initial site survey to installation and commissioning, relieving you of the stress and hassle.



## CUSTOMISED SOLUTIONS

Our dedication to providing bespoke systems ensures that you receive tailored solutions that work specifically for your needs.



## FREEING UP YOUR TIME

By taking over project planning and maintenance, we allow you to focus on other critical areas of your business, saving you time and effort.



## RELIABLE SUPPORT

With planned maintenance and calibration services, we ensure the ongoing reliability and performance of your systems, providing peace of mind.

# WHAT CAN WE DO FOR YOU?

## ENGINEERING DESIGN

Here at Process Instrument Services, we understand that the little details matter. From the initial concept, through to delivery, we will try to not just make the work practical and efficient, but aesthetically pleasing to look at. We understand that in the process control world, precision is key, so we strive for nothing less than the best for your system.

### INDUSTRY APPLICATIONS:

OIL & GAS

CHEMICAL

FOOD & BEVERAGE

ENERGY GENERATION

ENVIRONMENTAL MONITORING

AGGREGATES

## CASE STUDY

### BACKGROUND

We were tasked with replacing a faulty slip ring system in a rotary bottle filling machine. Issues like short circuits, erratic rotation, and burnout affected fill levels and carbonation, disrupting the filling process and product quality.

### RESULTS

After implementing the wireless system, we installed temperature sensors and integrated signals into energy calculators. Commissioning of metering for all 19 circuits was completed, enabling precise energy consumption data collection.



# BENEFITS FOR YOU



## ATTENTION TO DETAIL

We prioritise the little details from the initial concept to delivery, ensuring practicality, efficiency and aesthetics in our work.



## PRECISION-DRIVEN SOLUTIONS

Understanding the critical nature of precision in process control, we guarantee nothing less than the best for your system.



## COMPREHENSIVE SUPPORT

From concept to delivery, we provide end-to-end assistance, ensuring your system meets the highest standards of functionality and appearance.



## CUSTOMER-CENTRIC APPROACH

Our focus is on your satisfaction, striving to exceed expectations by delivering solutions that are both technically superior and visually appealing.

# WHAT CAN WE DO FOR YOU?

# CONTROL & AUTOMATION SOLUTIONS

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In the modern world, automation is key to both efficiency and safety, as well as keeping costs down. We are the people go to place for bespoke control and automation solutions for your workplace, from batching precise mixtures, to preventing overspill and wastage. By combining our diverse network of suppliers and our extensive knowledge in automation situations, we can make sure you are covered.

## INDUSTRY APPLICATIONS:

OIL & GAS

ENERGY GENERATION

AGGREGATES

CHEMICAL

FOOD & BEVERAGE

## CASE STUDY

### BACKGROUND

Our client's brief was for us to design and implement a system that would eliminate raw material overflows during its barley pre-steeping process. The process consists of barley grain & water being fed into a vessel, mixed and then pumped out to steep tanks.

### RESULTS

The new overflow meter provides insights into stoppages and downtime, boosting plant performance. Data capture helps our customer track pump performance and plan part replacements.



# BENEFITS FOR YOU

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## EFFICIENCY AND SAFETY

Our bespoke control and automation solutions prioritise efficiency and safety in your workplace, ensuring smooth operations while maintaining a secure environment.



## COST SAVINGS

With our expertise in automation, we help keep costs down by optimising processes, preventing overspill and minimising wastage, ultimately leading to savings for your business.



## TAILORED SOLUTIONS

Leveraging our diverse network of suppliers and extensive knowledge, we offer tailored solutions to address your specific automation needs, ensuring that you're fully covered in every aspect.



## EXPERT GUIDANCE

We are your go-to for expert guidance in automation situations. We combine technical expertise with industry knowledge to provide comprehensive support and assistance throughout the process.

# WHAT CAN WE DO FOR YOU?

## COMMISSIONING & START-UP

No matter the size or complexity of your project, our Start-Up and Commissioning Services guarantee that your measurement instruments are properly installed, configured and operational in alignment with your project start-up timeline.

### INDUSTRY APPLICATIONS:

OIL & GAS

ENERGY GENERATION

FOOD & BEVERAGE

CHEMICAL

AGGREGATES

### CASE STUDY

#### BACKGROUND

A global ingredients manufacturer aimed to centralise operations by consolidating distillation and manufacturing into one facility. Final commissioning of the plant's instrumentation was key to integrating advanced systems that enhance efficiency, quality control, and process safety.

#### RESULTS

The facility passed all safety inspections, meeting COMAH standards for hazardous materials. Safety systems were validated and certified, ensuring peace of mind for the client and regulators.



# BENEFITS FOR YOU



## ENSURING PRECISION

Proper commissioning ensures that instruments are correctly installed, calibrated & configured, providing precise and reliable data which is essential for process control.



## MAXIMISE EFFICIENCY

With instruments performing at optimal levels, processes run more efficiently, reducing energy consumption, waste & production variability leading to higher overall productivity.



## EXTENDED LIFESPAN

Ensuring that instrumentation is properly installed and calibrated at the start helps reduce wear and tear, extending the lifespan of the equipment and improving overall ROI.



## OPTIMAL PROCESS CONTROL

Ensures that all instruments are correctly integrated into the broader control system, enabling smooth communication between devices and ensuring optimal process control.

# WHY CHOOSE US?



## EXPERTISE

Our team's extensive knowledge and experience in C&I, combined with ongoing specialised training, ensures we deliver high-quality services that exceed industry standards.

## FLEXIBILITY

We offer scalable services tailored to the unique needs of small to medium-sized projects, ensuring that our clients receive the right level of support.

## COMMITMENT TO QUALITY

Our fully equipped workshop and stringent calibration processes ensure that all services provided meet the highest levels of accuracy and reliability.

## COMPREHENSIVE SOLUTIONS

From calibration to complete process solutions, our service offering covers all aspects of control and instrumentation, providing clients with a one-stop-shop.



Process Instrument Services have been a fantastic company to work with and we've been thoroughly impressed with their technical knowledge and ability to adapt on site.

Their customer service was excellent and I felt that all times during our project they were engaged and quick to respond.

I will be approaching them first with any instrument and monitoring needs and look forward to an opportunity to work with them again in the future.

# SOLUTIONSPLUS

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