dysco™
exploration and production

SERVICES CATALOGUE

INDUSTRIAL ENGINEERING. IN THE FIELD.

SCADA and telemetry. Automation and control.
Instrumentation. Functional safety.
Metering and custody transfer.

FROM ENGINEERING TO MAINTENANCE.

PROVEN TECHNOLOGY. FIELD EXPERIENCE.

DYSCO EP brings together industrial engineering and services to connect process variables with operations, control, protection and measurement.



MORE THAN 15 YEARS

of technology proven in the field, serving wells, pipelines, compressor stations, plants and industrial facilities.

We work with current and legacy systems. Each scope is defined by site conditions, existing interfaces and operational requirements.

Engineering · Supply · Installation
Commissioning · Operation · Maintenance

FIVE SPECIALTIES. ONE FIELD PERSPECTIVE.

Capabilities combined to match the scope of each project.

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01



INDUSTRIAL TELEMETRY AND SCADA.

FIELD DATA. DECISIONS WITH CONTEXT.

We acquire and transmit variables from wells, pipelines, compressors and remote facilities. We integrate instrumentation, communications and supervision from engineering through operation and maintenance.

ACQUISITION

COMMUNICATIONS

SUPERVISION

EXPLORE THE SERVICE AT DYSCOEP.COM /

SERVICE SCOPE.

01 / SERVICE

FROM INSTRUMENT TO OPERATION

We integrate the instrument, PLC or RTU, communications link and supervision chain. Variables, units, scales, transmission intervals and power requirements are defined around site operations.

THE RIGHT LINK FOR EACH SITE

We assess radio, cellular and ORBCOMM satellite communications according to coverage, available power, data volume and reporting intervals. Selection starts with actual site conditions.

INFORMATION FOR SUPERVISION

We integrate variables, states, trends, histories, KPIs and alarms with our cloudLOGGER SCADA platform or existing systems. OPC, SQL, JSON and REST API interfaces are confirmed against the equipment and receiving platform.



TO DEFINE THE SCOPE

General location, asset count, variables, existing equipment and protocols, power supply and known coverage.

Remote control requires agreed permissions, interlocks and procedures. Supervision notifications do not replace process protection.

02



AUTOMATION AND INDUSTRIAL CONTROL.

FROM CONTROL DESIGN TO COMMISSIONING.

We provide engineering, supply, installation and programming of PLCs, DCS, HMIs and control panels. We diagnose, rehabilitate, test and maintain both current and legacy systems.

- PLC / DCS / HMI
- CONTROL PANELS
- COMMISSIONING

EXPLORE THE SERVICE AT DYSCOEP.COM /

SERVICE SCOPE.

02 / SERVICE

ENGINEERING AND PROGRAMMING

We define signal lists, control philosophy, sequences, logic and interlocks using project documentation. Hardware, versions and interfaces are reviewed before intervention.

PANEL AND SYSTEM INTEGRATION

We integrate components, power and I/O. Control is connected to HMI and SCADA for variables, states, alarms and histories. Compatibility is validated for each application.

DIAGNOSTICS, TESTING AND MAINTENANCE

We inspect from cabinet to instrument, perform loop and functional tests, back up programs and provide preventive or corrective maintenance. FAT and OSAT follow the agreed scope and acceptance criteria.



TO DEFINE THE SCOPE

Controller inventory, available drawings, I/O signals, protocols, intervention objectives and operating windows.

IEC 61131-3, UL 508A and ANSI/ISA-18.2 are considered where required by the specification. Reference to a standard does not imply system or panel certification.

03



PROCESS INSTRUMENTATION.

FROM MEASUREMENT POINT TO CONTROL SYSTEM.

We select, supply, install and maintain pressure, temperature, level and flow instruments. We support the measurement chain through configuration, testing and rehabilitation suited to the process.

- PROCESS VARIABLES
- LOOP TESTING
- VALVES AND ACTUATORS

EXPLORE THE SERVICE AT DYSCOEP.COM /

SERVICE SCOPE.

03 / SERVICE

APPLICATION-BASED SELECTION

We review fluid, range, operating conditions, materials, connections and compatibility with PLC, DCS or SCADA. We serve separators, plants, compressors, turbines and measurement points.

INSTALLATION AND SIGNAL CHECKS

We check power, wiring, scaling, units, signals and communications. HART, Modbus or Foundation Fieldbus are integrated when compatible with the instruments and receiving system.

MAINTENANCE AND DOCUMENTATION

We diagnose and rehabilitate instruments, valves, actuators and positioners. We record interventions, check loop behaviour and organise instrument identification, signal lists, configuration and test records.



TO DEFINE THE SCOPE

Variable, fluid, range, connection, materials, power, signal or protocol and site conditions. For maintenance: history and observed symptoms.

Configuration and reference adjustment are not accredited calibration. Metrological scope, uncertainty and traceability must be verified in the relevant documentation.

04



FUNCTIONAL SAFETY. SIS, FIRE AND GAS.

PROTECTION FUNCTIONS WITH A DEFINED SCOPE.

We provide engineering, supply, installation and maintenance of safety instrumented systems, emergency shutdown and fire and gas detection, according to each facility's conditions.

- SIS / ESD
- FIRE AND GAS DETECTION
- FUNCTIONAL TESTING

EXPLORE THE SERVICE AT DYSCOEP.COM /

SERVICE SCOPE.

04 / SERVICE

FROM DETECTION TO THE FINAL ELEMENT

We review signals, trip conditions, logic, alarms and final protective elements with site personnel. Intervention starts from required functions and approved procedures.

DETECTION AND SIGNALLING

We integrate UV/IR, combustible or toxic gas detection, visual and audible signalling and suppression systems as required by the project. Equipment, location and interfaces are verified for the application.

TESTING AND PRESERVING THE FUNCTION

We perform diagnostics, setpoint review, loop and functional tests. Inhibitions, intervention and restoration are coordinated with the operator; results and deviations are documented.



TO DEFINE THE SCOPE

Protective functions, system documentation, equipment, approved procedures, test conditions, permits and coordination with operations.

IEC 61511 and IEC 61508 are project-dependent references. SIL is defined and verified through the relevant studies. SCADA supervision does not replace SIS logic or independence.

05



METERING AND CUSTODY TRANSFER.

MEASUREMENT AS A COMPLETE CHAIN.

We provide engineering, supply, installation, testing, commissioning, operation and maintenance of measurement systems, integrating instruments, flow computers, communications and documentation.

- MEASUREMENT SYSTEMS
- FLOW COMPUTERS
- METROLOGICAL MANAGEMENT

EXPLORE THE SERVICE AT DYSCOEP.COM /

SERVICE SCOPE.

05 / SERVICE

INSTRUMENTS AND FLOW COMPUTERS

We work with Coriolis and ultrasonic technologies according to fluid, operating conditions and metrological requirements. Signals, units, parameters and communications are checked against approved documentation.

INTEGRATION AND COMMISSIONING

We integrate current and legacy equipment, with experience in OMNI, ABB and Emerson flow computers. Versions, interfaces and installation conditions are checked before defining intervention and tests.

ASSET RECORDS AND TRACEABILITY

Through cloudLOGGER SCADA, we link supervision and operational records with inventory, certificates, metrological confirmations and events. Instrument histories can include installation, relocation, maintenance and failures.



TO DEFINE THE SCOPE

Fluid, measurement technology, operating conditions, approved documentation, contractual and regulatory requirements, and system interfaces.

API MPMS applies according to fluid, technology and operation; ISO 10012 guides measurement management. SCADA does not certify measurement or replace management procedures and responsibilities.



cloudLOGGER SCADA

INDUSTRIAL INTELLIGENCE

PLATFORM DEVELOPED BY DYSCO EP

YOUR OPERATION. CONNECTED AND VISIBLE.

We developed cloudLOGGER SCADA to bring process supervision, telemetry, contextual AI and industrial management together in one web platform.

From instrument to dashboard and field rounds to operational records: we integrate information with your equipment and the real needs of your operation.

EXPLORE CLOUDLOGGER SCADA

CONCEPTUAL PLATFORM VISUALISATION

cloudLOGGER SCADA

INDUSTRIAL INTELLIGENCE

FROM DATA TO OPERATIONAL CONTEXT.



SUPERVISION / CONCEPTUAL VISUALISATION



RECORDS FROM THE FIELD

SUPERVISION + ALARMS

Variables, trends, histories, dashboards and KPIs. Project-specific alarms and notifications. Integration of existing digital twins into HMI or asset-linked graphics.

CONTEXTUAL AI

Historical queries, variation analysis and assisted technical diagnostics. Parameter analysis to support predictive maintenance and operational decisions.

LOGBOOK + ASSETS

Records, photographs and location through WhatsApp. Equipment and instrument inventory, interventions and maintenance history.

MEASUREMENT + TRACEABILITY

Measurement management with certificates, metrological events and confirmations; integration of fiscal metering and volumetric-control information.

LIVE / 100% CLOUD / FREE BASE PLAN: UP TO 1,000 TAGS

OPC UA/DA, SQL, JSON and REST API depend on the project. AI assists technical teams; it is not autonomous control or a protection system. The SGM does not certify an organisation. Modules and integrations require assessment.

INSTRUMENTATION. CONNECTIVITY.

EQUIPMENT FOR YOUR OPERATION

WIRELESS SENSORS.

We offer wireless pressure, temperature and level sensors, gateways and I/O modules. We select and integrate solutions according to variables and site conditions.



EXPLORE SENSORS

ACQUISITION + CELLULAR TRANSMISSION

DIIOT / 27x

Controller for signal acquisition and cellular data transmission. Integrates RS232, RS485 Modbus RTU, I/O and PT100.

EXPLORE DIIOT /



FROM YOUR NEED TO OPERATION.

A clear scope connects engineering, field intervention and service continuity.

UNDERSTAND THE SITE

Survey, variables, assets, operating conditions and interfaces. We review available documentation and intervention constraints.

DEFINE THE SOLUTION

We select equipment and communications, develop engineering and agree on tests, deliverables and acceptance criteria.

INTEGRATE AND COMMISSION

Supply, installation, configuration and testing within the agreed scope. Signals and behaviour are verified with operations personnel.

DOCUMENT AND MAINTAIN

We organise configuration, test and intervention records. We provide diagnostics, rehabilitation and preventive or corrective maintenance.

REAL WORK. FIELD REFERENCES.

A selection from the DYSCO EP published project portfolio.



2014 / NORTHERN REGION

DATATAKER PLC PROGRAMMING

Dowell Schlumberger



2017 / SOUTHERN REGION

GAS METERING IN COMPRESSION

ENX Compressors

VIEW PROJECT /



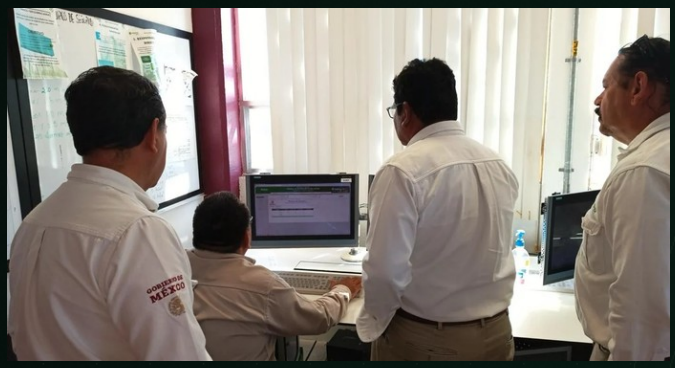
2017-2018 / NORTHERN REGION

TELEMETRY FOR 300 WELLS IN NEJO

Iberoamericana de Hidrocarburos

VIEW PROJECT /

VIEW PROJECT /



2025 / PACIFIC REGION

SDMC, SIS AND METERING MAINTENANCE

PEMEX

VIEW PROJECT /

YOUR NEXT PROJECT STARTS IN THE FIELD.

Tell us what you need to measure, communicate, control or protect.
Let's define the service scope together.

LET'S TALK ON WHATSAPP

Scan the QR or click here.

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