OCS
AUTOMATION PRIVATE LIMITED

INDUSTRIAL ENGINEERING & INTEGRATION

AUTOMATION • ANALYTICAL SYSTEMS • INSTRUMENTATION

PANEL & SHELTER INTEGRATION

Engineering, integration, fabrication and

field-support capabilities for industrial and analytical applications.

ENGINEERING • INTEGRATION • EXECUTION

A practical execution partner for OEMs, EPCs and industrial customers.

01 | COMPANY

A practical industrial engineering partner

OCS Automation Private Limited is an engineering and integration company focused on industrial automation, analytical systems, instrumentation and panel & shelter integration. Our operating model is intentionally practical: understand the application, drawings and specification; engineer the work; procure suitable materials; execute with discipline; inspect and test; document the result; and support the customer through completion.

OCS is designed to work **with OEMs and EPCs, not against them**. We can take responsibility for defined execution packages around their core technology — including panel integration, analyzer/sample systems, tubing, fabrication, wiring, installation, FAT/SAT support, commissioning assistance and service.

INDUSTRIAL AUTOMATION

PLC/HMI/SCADA/DCS integration support, panel wiring, control-system assemblies and execution support.

ANALYTICAL SYSTEMS

Analyzer-panel integration, sample-conditioning related assemblies, tubing, valves, regulators and interconnections.

INSTRUMENTATION

Instrument integration, signal wiring, SS/copper tubing, tube bending, routing and termination.

PANEL & SHELTER INTEGRATION

Panel assembly, component mounting, wiring, shelter integration, tubing/interconnections and pre-commissioning support.

What differentiates the model

OCS combines engineering information, fabrication/integration and field execution in one workflow. This allows defined work packages to move from drawing review to procurement, assembly, inspection, FAT and site support with fewer handoffs.

02 | OUR POSITION

Built to strengthen the customer’s execution chain

OCS is not positioned as a replacement for global automation, instrumentation or analytical OEMs. Our role is to provide dependable local engineering, integration, fabrication and field execution around the customer's approved technology and project requirements.

OEM / TECHNOLOGY PARTNER	OCS EXECUTION PACKAGE	END CUSTOMER / EPC
Core technology, instruments, analyzers, automation platform, proprietary equipment	Integration, panel work, sample conditioning, tubing, wiring, fabrication, FAT, installation, commissioning support and service	Project specification, approved drawings, site requirements, inspection and acceptance

Typical engagement models

• **Subcontract / execution package:** OCS receives defined drawings and scope and executes the package to the agreed quality and schedule.
• **Integration partner:** OCS combines supplied instruments/components with panels, tubing, sample systems and enclosures.
• **Field support:** OCS provides installation, inspection, commissioning assistance, troubleshooting and service.
• **Supply + execution:** OCS procures specified components and delivers a documented integrated assembly.

This model is deliberately lean. It allows OCS to scale capability with project volume rather than carrying unnecessary fixed cost.

03 | CAPABILITIES

Integrated technical scope

Industrial Automation

PLC/HMI/SCADA/DCS integration support, control-panel assemblies, point-to-point wiring, terminal work and industrial automation execution.

Analytical Systems

Analyzer panels, sample-conditioning related systems, scavenging panels, regulators, filters, valves, tubing and interconnections.

Instrumentation

Instrument installation/integration, signal systems, 4–20 mA related wiring, SS tubing, copper tubing, routing and termination.

Panel Integration

Component mounting, panel assembly, wiring, terminal systems, inspection and execution against approved GA/wiring documentation.

Shelter Integration

Analyzer shelter integration, panel installation, tubing/interconnections, enclosure work and pre-commissioning support.

Fabrication

FRP panels, cylinder racks/trolleys, custom industrial assemblies and supporting fabrication through in-house or qualified subcontract resources.

Project Execution

BOM, GA, I/O, cable and terminal schedules; procurement; inspection; FAT; delivery; installation; commissioning and service documentation.

04 | ENGINEERING & DOCUMENTATION

Controlled information drives controlled execution

OCS is building its project workflow around controlled engineering information. The objective is simple: the right revision reaches procurement, production, inspection and the site team.

Drawing package	GA drawings, panel layouts, wiring diagrams, electrical schematics, interconnection drawings and tubing layouts.
Schedules	BOMs, instrument lists, I/O lists, cable schedules and terminal schedules.
Inspection	Incoming material inspection, in-process inspection, final inspection, panel inspection and project-specific checks.
FAT / SAT	FAT checklists, FAT reports, SAT documentation and test records appropriate to the project.
Site execution	Installation, commissioning, service and handover records with punch-list tracking where required.
Document control	Document numbering, revision control, controlled release and project document indexes.

Execution principle

Approved drawing → controlled BOM → procurement → assembly/integration → inspection → FAT → delivery → installation → commissioning → handover.

05 | LEADERSHIP

Technical leadership first. Execution leadership alongside it.



Somenath Bhattacharya

Technical Director

Experienced industrial professional with more than three decades of field experience.
Previously worked with ABB in quality inspection, with hands-on experience across industrial panels, shelters, instrumentation and analytical-system related work.
His experience includes panel integration and inspection, site assistance, shelter integration and practical quality verification.
At OCS, he provides technical direction, engineering review and customer-facing guidance.



Sukhdeb Bhattacharya

Director – Operations & Production

Responsible for production coordination, procurement and project execution.
Coordinates day-to-day operations, planning, commercial follow-through and delivery.
Works with technical leadership to turn approved scope and drawings into controlled procurement, production and customer delivery.

Leadership approach

Technical direction and practical execution work together, keeping engineering, quality and delivery closely connected.
Professional experience is presented as background and is not represented as OCS project history or ABB endorsement.

ROLES & RESPONSIBILITIES

Somenath Bhattacharya
Technical Director

Technical direction and engineering review
Customer-facing technical coordination
Technical problem-solving and guidance
Quality and inspection oversight
Review of drawings, systems and execution approach

Sukhdeb Bhattacharya
Director – Operations & Production

Production planning and coordination
Material procurement and supplier coordination
Project execution and delivery
Commercial and administrative follow-through
Coordination of technical scope with execution

06 | QUALITY, HSE & DELIVERY

Professional execution is a process, not a claim

OCS has established controlled Quality and HSE document packs to support project execution. These are working systems and templates; OCS does not claim ISO certification unless and until it is formally certified.

QUALITY

Quality policy and objectives • document control • incoming/in-process/final inspection • panel inspection • FAT • NCR/CAPA • calibration/test-equipment records • supplier evaluation • project quality index

HSE

HSE policy and objectives • PPE • risk assessment • JSA • method statements • toolbox talks • electrical safety • fabrication safety • analyzer/sample-system safety • lifting • work-at-height • emergency response

Delivery discipline

Each project is intended to leave an auditable trail: enquiry/scope → quotation → PO/work order → engineering → procurement → inspection → FAT → delivery → site execution → commissioning/SAT → handover → invoice/service records.

This approach is designed to support customers that require documentation, traceability and controlled execution — particularly EPC and OEM environments.

07 | APPLICATIONS

Where the capability fits

OCS is structured to support industrial and analytical applications where automation, instrumentation, panels, tubing and documented execution come together.

OIL & GAS

Instrumentation, analyzer systems, panels, tubing and field-support packages.

CHEMICAL & PETROCHEMICAL

Analytical systems, sample conditioning, instrumentation and integration work.

POWER & UTILITIES

Control/instrumentation integration, panels, wiring and site support.

WATER & WASTEWATER

Instrumentation, analyzer integration, panels and commissioning support.

MANUFACTURING

Automation assemblies, control panels, instrumentation and industrial integration.

ENVIRONMENTAL / ANALYTICAL

Analyzer-related panels, sample systems, tubing and supporting integration.

Typical project flow

01 Enquiry & requirement → 02 Technical/drawing review → 03 Scope & quotation → 04 Procurement & planning → 05 Fabrication/integration → 06 Inspection & FAT → 07 Delivery/site → 08 Commissioning/SAT → 09 Handover & service

08 | WHY OCS

A lean model with engineering discipline

ENGINEERING-LED

OCS is built around drawings, specifications, schedules and controlled documentation.

OEM / EPC FRIENDLY

Defined execution packages that complement — rather than replace — OEM and EPC capabilities.

QUALITY-MINDED

Inspection, testing, workmanship and traceability are embedded in the workflow.

RESPONSIVE

A lean operating structure supports direct technical coordination and faster decisions.

SCALABLE

Specialist fabrication can be sourced through qualified resources while engineering, project coordination and customer ownership remain controlled.

FIELD-READY

Installation, commissioning assistance, service and handover documentation are part of the execution model.

LET'S DISCUSS YOUR REQUIREMENT

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