

Training Programs

Field Instrumentation Technician Specialization

Training Session	Duration (days)	Reference
Electrical & Electronics essentials for instrumentation	4	EEE
Specialized Physics, measurement & Engineering Units for instrumentation	2	PMENG
Essentials of Process Measurement & Control	5	EPMC
Process Documents & Drawings Instrumentation in Oil & Gas	3	PPD
Field Instruments Measurement Principles	5	PCIF
Operation, calibration & maintenance of field instruments	5	OMPCI
Advanced field instruments technology	2	AFIT
Instrumentation and hazardous area installations	2	HAI
Intrinsic safety galvanic isolation, zener barriers technology & application	2	ISZB
Yokogawa Smart Transmitters Course	2	YSTX
Fieldmate orientation	2	FMOR
Layers of Protection Analysis (LOPA) on Safety Systems	2	LOPA
TUV Certification for Functional Safety Technicians	3	TUVFST
Total Days	39	

Available E Learning Support

International Minimum Industry Safety Training (IMIST)		
Process, Safety and basic Engineering courses		Safe System of work range
Process, Safety and basic Engineering courses		Environmental range
Process, Safety and basic Engineering courses		Electrical engineering range

On the Job Training (OJT): Depending on Customer / Industrial Partners availability

Two (2) to Six (6) months Internship Program to develop practical skills and acquire professional qualification. Final Individual Project to be presented and defended in front of a panel of professionals at the end of the curriculum.

Training Programs

Process Control Technician Specialization

Training Session	Duration (days)	Reference
Electrical & Electronics essentials for instrumentation	4	EEE
Specialized Physics, measurement & Engineering Units for instrumentation	2	PMENG
Essentials of Process Measurement & Control	5	EPMC
Process Documents & Drawings Instrumentation in Oil & Gas	3	PPD
Operation, calibration & maintenance of field instruments	5	OMPCI
Centum VP Fundamentals for Operation and Maintenance	5	VPOM
Safety Instrumented Systems: Prosafe RS Essentials & Maintenance	5	RSEM
Fieldbus and Plant Resources Management	5	FPRM
Supervisory Control And Data Acquisition: STARDOM & FAST TOOLS fundamentals and Maintenance	2	STMT/FTMT
TUV Certification for Functional Safety Technicians	3	TUVFST
Total Days	39	
Available E Learning Support		
International Minimum Industry Safety Training (IMIST)		
Process, Safety and basic Engineering courses		Safe System of work range
Process, Safety and basic Engineering courses		Environmental range
Process, Safety and basic Engineering courses		Electrical engineering range
On the Job Training (OJT): Depending on Customer / Industrial Partners availability		
Two (2) to Six (6) months Internship Program to develop practical skills and acquire professional qualification. Final Individual Project to be presented and defended in front of a panel of professionals at the end of the curriculum.		

Analyzer Technician Specialization

Training Session	Duration	Reference
Essentials of Process Measurement & Control	5	EPMC
Specialized Physics, measurement & Engineering Units for instrumentation	2	PMENG
Electrical & Electronics essentials for instrumentation	4	EEE
Process Documents & Drawings Instrumentation in Oil & Gas	3	PPD
Principles of operation, calibration & maintenance of field instruments	5	OMPCI
Introduction to Analyzers and Sample Handling Systems	5	PASHS
GC8000 Operation and Maintenance with Network & Sample Conditioning System (SCS)	5	GCOMN
Liquid Analyzer Operation and Maintenance	2	LAOM
TDLS 200/220 Operation and Maintenance	2	TDOM
IR400 operation and Maintenance	2	IROM
Total Days	35	
Available E Learning Support		
International Minimum Industry Safety Training (IMIST)		
Process, Safety and basic Engineering courses		Safe System of work range
Process, Safety and basic Engineering courses		Environmental range
Process, Safety and basic Engineering courses		Oil & Gas Familiarization
On the Job Training (OJT): Depending on Customer / Industrial Partners availability		
Two (2) to Six (6) months Internship Program to develop practical skills and acquire professional qualification. Final Individual Project to be presented and defended in front of a panel of professionals at the end of the curriculum.		

Process Control Engineer Specialization

Training Session	Duration	Reference
Essentials of Process Measurement and Controls	5	EPMC
Operation, calibration and maintenance of Field Instruments	5	OMPCI
Distributed Control System (DCS) Fundamentals and Maintenance for Engineers	5	VPFM
Distributed Control System (DCS) Engineering	5	VPEG
Consolidated Alarm Management System Engineering	3	CAMSE
Distributed Control System (DCS) Graphics	3	VPGR
Fieldbus Engineering & Plant Resources Manager (PRM)	5	FPRM
Centum VP Networking	3	VNETIP
Substation integration (MODBUS & OPC)	4	SSI
Safety Instrumented Systems (SIS - PROSAFE) engineering	4	RSEG
Safety Instrumented Systems (SIS - PROSAFE) Maintenance	3	RSMT
Real Time Unit (RTU): STARDOM Engineering	4	STEG
Real Time Unit (RTU): STARDOM Maintenance	1	STMT
Signal Conditioning And Data Acquisition (SCADA): FAST/TOOLS Engineering and Maintenance	5	FTEG
Total Days	55	

Available E Learning Support

Centum VP Virtual Operator/Engineer Trainer

On the Job Training (OJT): Depending on Customer / Industrial Partners availability

Three (3) to Six (6) months Internship Program to develop practical skills and acquire professional qualification. Final Individual Project to be presented and defended in front of a panel of professionals at the end of the curriculum.

Panel Operator Specialization

Training Session	Duration	Reference
Essentials of Process Measurement & Control	5	EPMC
Process Engineering Principles	5	PEP
Proactive Process Control Operation	5	PPCO
Distributed Control System (DCS) operation	5	VPOF
Consolidated Alarm Management System (CAMS)	2	CAMS
Optional Applied Process Control training on OTS		
Surface Processes operation	5	
Special Operations: Start-up and Shut-down / Process Upsets	5	
Handling Critical Situations	5	
Total Days	37	
Available E Learning Support		
Centum VP Virtual Operator Trainer		
Process, Safety and basic Engineering courses		Process Operation & Technology range – Oil & Gas
Process, Safety and basic Engineering courses		Process Operation & Technology range – Chemical
Process, Safety and basic Engineering courses		Oil & Gas Familiarization
On the Job Training (OJT): Depending on Customer / Industrial Partners availability		
<p>Three (3) to Six (6) months Internship Program to develop practical skills and acquire professional qualification. Final Individual Project to be presented and defended in front of a panel of professionals at the end of the curriculum.</p>		