



Swagelok®

Swagelok Sub-Saharan Africa

## Swagelok Services Improve Safety Critical Installations

A typical Oil & Gas facility installation may contain over 200 000 connections. Each connection is a potential leak point, creating over 200 000 safety critical possible risks in your plant.

Avoid performance issues, leaks, costs and safety concerns.

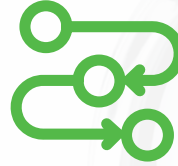


## TYPES OF PROCESS CRITICAL INSTALLATIONS



### PRESSURE MEASUREMENT

2000 Individual Instruments



### FLOW MEASUREMENT

1000 Individual Instruments

## HYDROCARBON RELEASES (HRCs) & LEAK STATISTICS

- HRCs – **40%** of dangerous reported incidents annually
- Instruments (SBT) – contribute **2nd largest source of HCRs**
- **Incorrectly fitted equipment** is the most widespread operational cause.
- **26%** of fittings inspected contain faults
  - Under-tightening
  - Incorrect or mismatched components
  - Incorrect or poor installation
  - Leaking
- **Human factor is highlighted as the single largest cause** – up to **50 – 70%**



## Swagelok Safety Critical Advantages

- Safety of personnel
- Protection of major equipment
- Correct installation by process, medium and pressure
- Operation critical (process control & correct indication)
- Maintenance cost reduction
- Lifetime cost of ownership



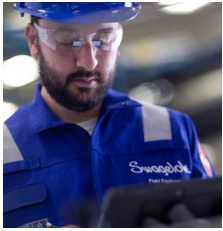
### HOW

- LEAK-TIGHT DESIGN = less risk of costly accidents and media loss
- OPTIMAL RELIABILITY = lower maintenance costs and minimal downtime
- GLOBAL EXPERTS = fast answers and efficient solutions
- VENDOR-MANAGED INVENTORY = reduced operating expenses
- TRAINING SERVICES = less installation time and lower rework costs

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# HOW SWAGELOK CAN HELP YOU ACHIEVE SAFETY FOCUSED, EFFICIENT RISK MANAGEMENT



## Field Engineering

Tap into Swagelok's vast network of field engineers located across the globe for help with troubleshooting and optimization of your fluid and sampling systems.



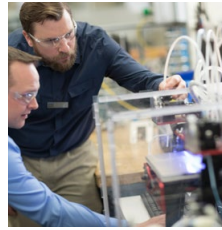
## Onsite Services

Boost system safety, performance, and efficiency with prioritized, actionable recommendations from Swagelok experts based on fluid and sampling system site surveys, hose advisors' observations, or steam system audits.



## Design and Assembly Services

Come to Swagelok for design consultation and construction of high-quality standard and configurable fluid and sampling systems assemblies, from grab sampling and mechanical seal support systems to analytical subsystems and gas distribution panels.



## Training

Discover a variety of training courses designed to enhance your critical skills for developing, building, and maintaining high-performing fluid and sampling systems, with topics covering everything from orbital welding to advanced tube bending, to sampling subsystem design.



## Global Construction Services

Swagelok offers fluid-system related project management services and additional support delivered by a dedicated team focused on industrial facility projects around the globe.



## Business Support

Take advantage of purchasing, procurement, and inventory management support, and make the most of our product selection consulting services.

## CONTACT OUR TEAM



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