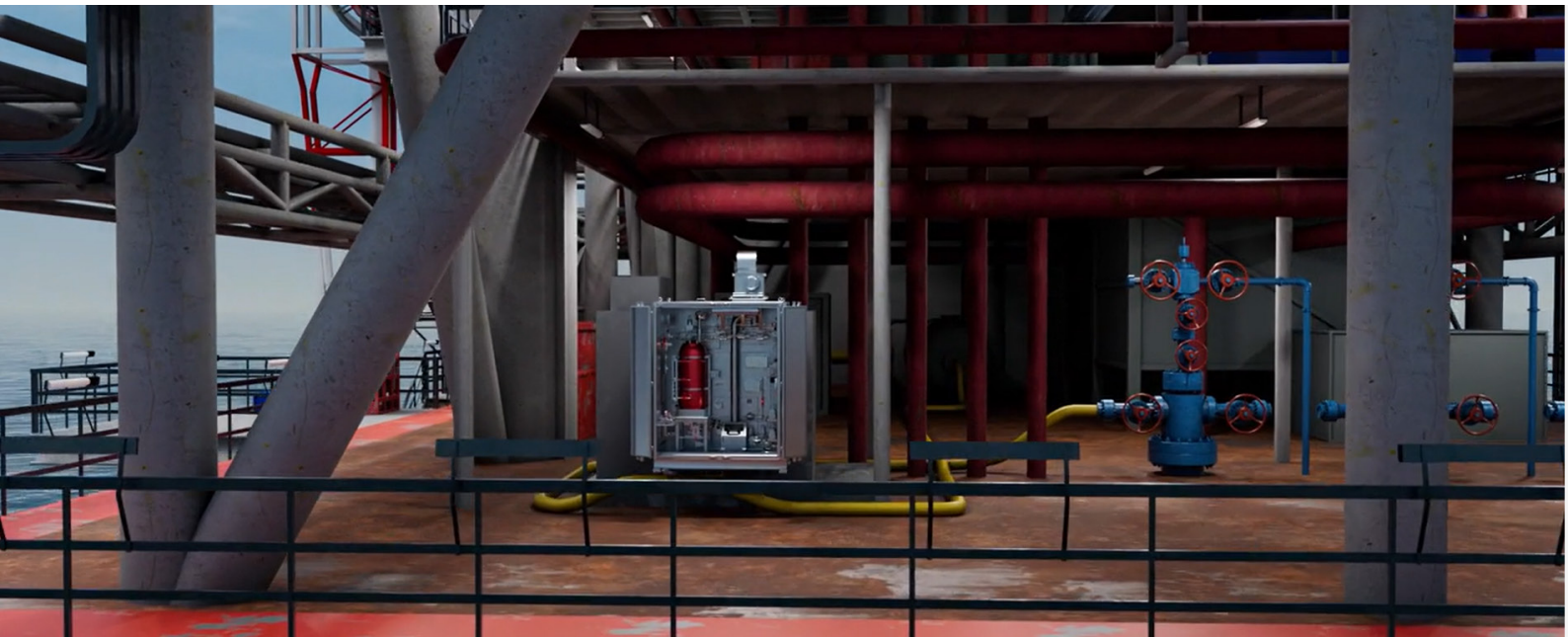


Sampling Systems - Norway (FastLoop Systems)



Proserv have been designing and manufacturing sample cylinders and sampling systems for the exploration, production and subsea markets since 1977 when the first high pressure flow through sample cylinders were developed. Advances in engineering and a desire for customers to move away from using mercury when sampling led to the introduction of the first piston sample cylinders in 1986 and the first single phase cylinders in 1994, in conjunction with Proserv's single phase Bottom Hole sampling tools.

Proserv's extensive track record of providing a high quality product and experience in engineering sampling solutions led to the design and development of manual and automated sampling systems, mini separators, sand / solids sampling, multiphase and subsea sampling systems, with Proserv cylinders at the heart of the operation supported by Proserv extensive controls technology. The most recent development being the patent pending Multiphase sampling Unit technology.

Proserv holds manufacturing approval for transportable pressure equipment in accordance with European Pressure Equipment Directive (PED), Transportable Pressure Equipment Directive (TPED), United States Department of Transport (DOT) and Transport Canada (TC). Proserv equipment is used globally by state oil companies, the major international operators both in the field and at their technology and research centres. We support well test and laboratory analysis companies as well as large number of universities and institutes around the world. We are proud of our track record in the provision of sampling solutions throughout the life cycle of the oil and gas industry, from reservoir to refinery and continue to develop reliable and industry leading equipment to help our customers simplify their processes, improve performance, and extend the lifespan of their assets. Our sampling expertise is founded on our broad technical knowledge and extensive in-house engineering and production chemistry capability.

A proven track record...

proserv



20,000

Production control systems
manufactured



200

Metering control systems
manufactured



6,000

Wellhead control systems
supplied



300

Subsea control
modules installed



50,000

Sampling cylinders
supplied



1,000

Production control systems
refurbishments



700

Monitoring, control
and retrieval projects



130

Subsea control
projects completed

Sampling Systems - Norway (FastLoop Systems)



Proserv has an established track record with sampling systems. Below is a summary of recent projects completed to demonstrate our capabilities and expertise in this field.

Installation / Platform	Description	End User	Customer
Valhall	FastLoop	AkerBP	FMC Metering
Skarv	FastLoop	AkerBP	FMC Metering
Bilabri	FastLoop		FMC Metering
AbuCluster	FastLoop	Maroil	Maroil Tech.
Alvheim	FastLoop	Marathon	FMC Metering
Papa Terra	FastLoop	BW	FMC Metering
Ormen Lange	FastLoop	AkerKværner	FMC Metering
Kårstø	FastLoop	M.W. Kellog	FMC Metering
Jotun A	FastLoop Rebuild		ExxonMobil
Elephant	Fastloop Rebuild	MAN	FMC Metering