



High Integrity Pressure Protection System (HIPPS) is an autonomous Safety Instrumented System dedicated to protecting downstream assets from upstream high pressure deviations that could result in loss of containment.

HIPPS is used when mechanical relief device such as Pressure Safety Valve (PSV) is not practical or cannot provide the required level of mitigation to an overpressure event.

We provide HIPPS solution which is based on proven HIMA technology and can help you achieve maximum safety and profitability.

HIGH INTEGRITY PRESSURE PROTECTION SYSTEM (HIPPS)

Provincial Controls supplied HIPPS solution advantages

- Based on proven HIMA technology.
- Complete coordinated, integrated package from single source.
- Complies with API 521, IEC 61511 & ISA S84 standards.
- Fully certified by independent functional safety expert.
- Includes detailed documentation package for submission to authority having jurisdiction.

Better technology for safe operations

Your success depends on safe operations, but it also requires profitability. HIMA's proven HIPPS technology helps you achieve continuous operation without unnecessary interruptions.

- **Logic Solver**
HIMA's safety controllers are the key components of the HIPPS solution we supply. Based on the most proven technology HIMA controllers meet the assigned SIL.
- **Process Initiators / Transmitters**
Typically, three SIL rated pressure transmitters in diversity or not, are located on the pipeline measuring the process pressure.
- **Final Elements / Valves**
Typically, two valves are installed in series on the pipeline. In the event of confirmed overpressure, the system initiates HIPPS valve shutdown. The HIPPS final elements typically are made up of a valve, actuator & solenoid configuration as prescribed by the required SIL in the desired fail-safe configuration.

Sarnia Office

864 Phillip St.E. Sarnia,
Ontario N7T 1Z6.
T : 519 336 7301 F : 519 336 8082

Edmonton Office

Unit#216, 160 Broadway Blvd.,
Sherwood Park, Alberta T8H 2A3
T : 587 456 8818

Online

✉ sales@provincialcontrols.com
🌐 www.ProvincialControls.com