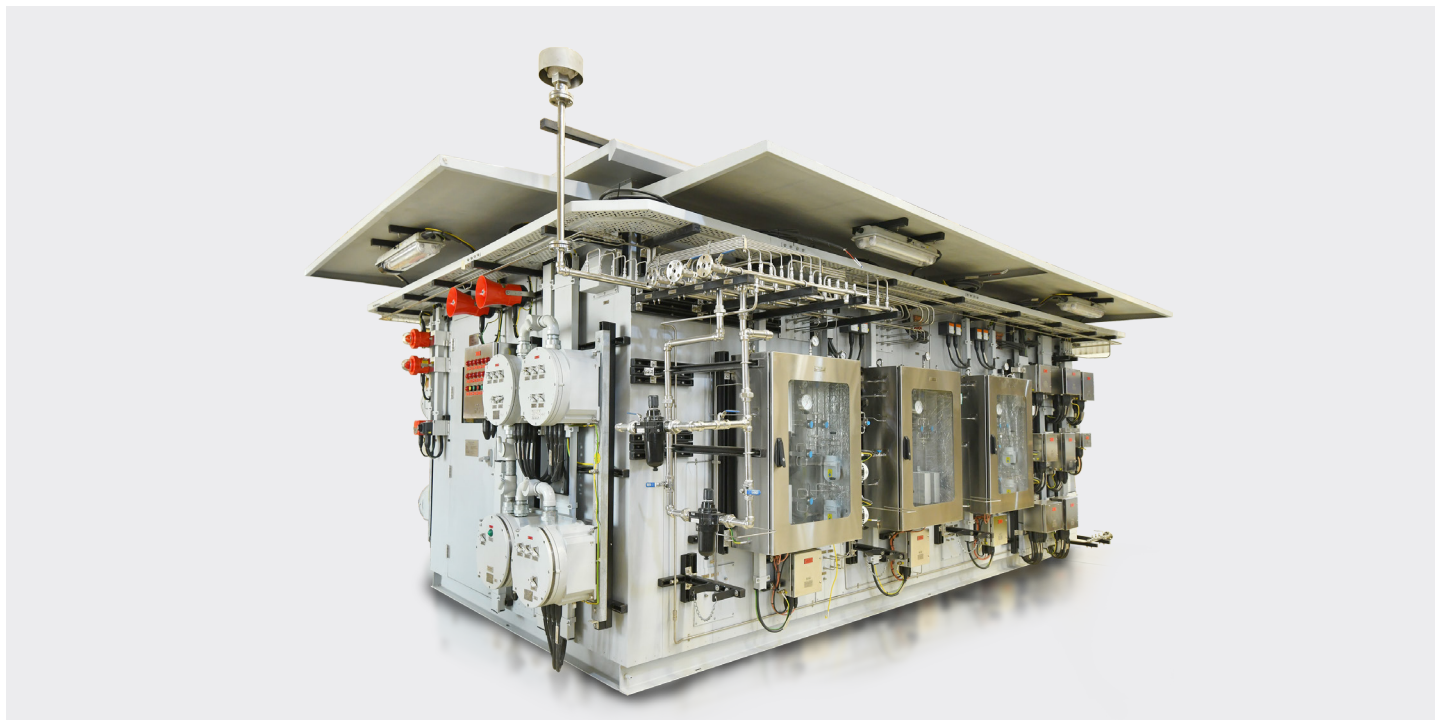


Analyzer Shelter



FEATURES

- » Suitable for Area classification for IEC ZONE 1, GR. IIC or IEC ZONE 1, IIA, IIB or Safe area
- » Complete interlocking ribbed structure giving better technology with extra strength. The sixfold design ensures structural strength is increased by multiple folds
- » Built with complete SS 304, and SS 316 (GI optional)
- » Gas detectors are placed suitably to meet area classification
- » Redundant HVAC to meet temperature and pressure requirement

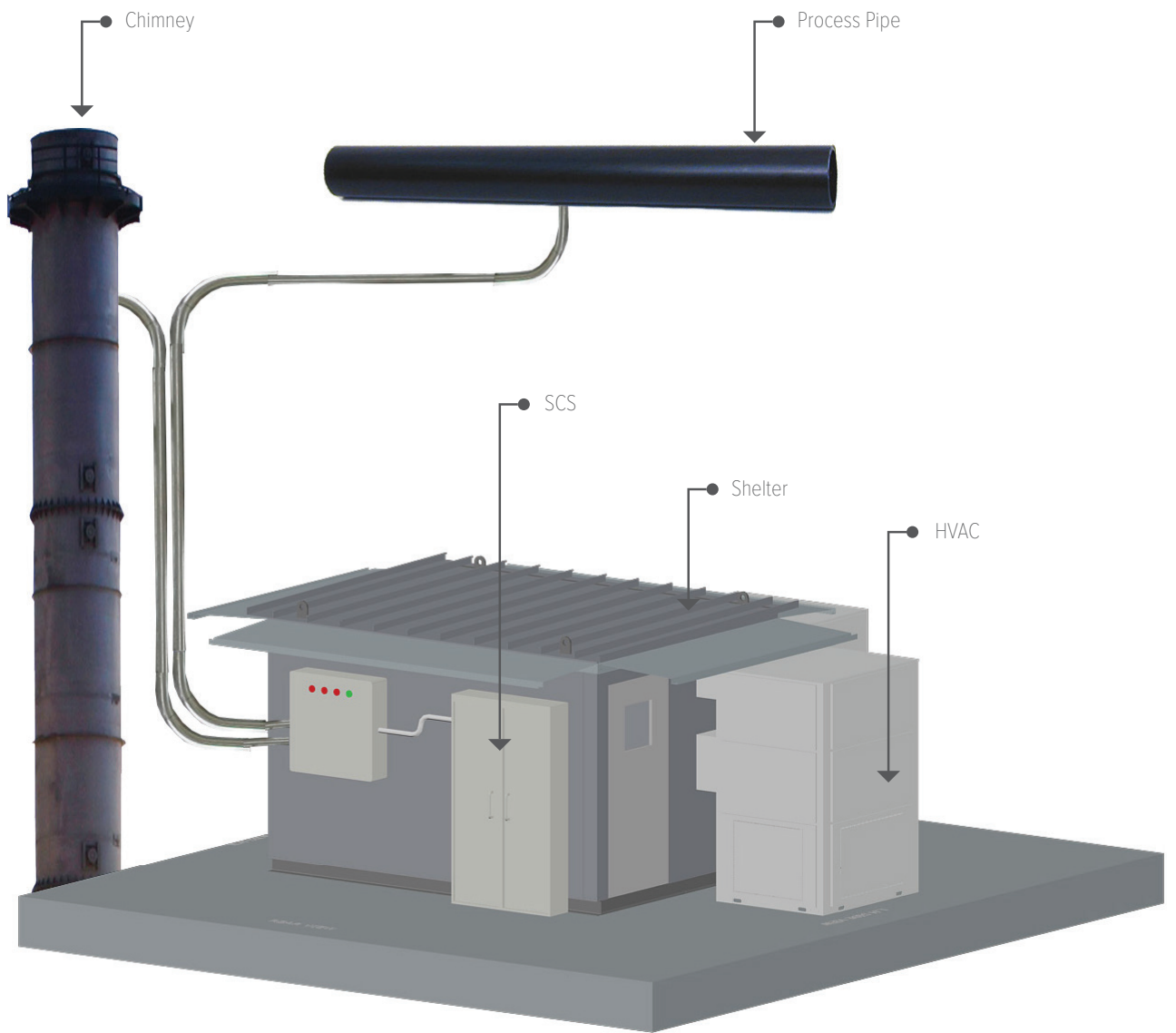
DESCRIPTION

AXIS has developed many capabilities in the field as below:

- » Analyzer Shelter
- » E-House
- » Explosion-proof / Safe area HVAC
- » Air Conditioning for high ambient conditions

The shelter is constructed as a fully insulated sandwich construction with stainless steel (316) inner and outer sheeting, making it suitable for corrosive and cold ambient conditions. The shelter is provided with a heating & ventilation system and can optionally be fitted with a full HVAC system. The complete shelter is designed, fabricated, and tested in-house as an integrated system. With this approach, site installation work is reduced to a minimum.

The design of the analyzer shelter must consider many factors. Local ambient conditions, hazardous area classification, sample type, and analyzer type together with client specifications, will all influence the final design and content of the shelter.



SHELTER SCHEME IS DESIGNED AS PER FOLLOWING CRITERIA AS PER IEC61285

- » Shelter parameter monitoring and control (PLC based safety control system.)
- » Monitoring adverse ambient and process conditions
- » Safety in all respect
- » Alarming and reporting to the relevant authorities
- » Sample take-off probes for installation on process lines. (Sample Extraction)
- » Sample Transport
- » Sample pre-conditioning units (temperature and pressure control)
- » Sample conditioning systems, properly designed in order to provide sample to analyzers at suitable flow temperature, pressure and filtration values with suitable disposal and/ or return to process system

ANALYZER SHELTERS FULLY EQUIPPED WITH:

- » Heating Ventilating and Air Conditioning System or Air Conditioning System
- » Power distribution systems.
- » Lighting.
- » Safety devices and Gas Monitoring Systems.
- » Utilities headers.
- » On-line Analyzers such as: Gas chromatographs, Physical property analyzer, Liquide Analyzers

SOME EXAMPLES OF KEY ELEMENTS ARE SHOWN BELOW

Construction – stainless steel or GI optional with Top lift, Single integrated unit, Fire resistant as per BS Standards

Environment control – Fresh air ventilation with heating and air conditioning. Redundant ventilation and/or air conditioning.

Safety – Gas detection systems, safety interlock systems. Independent control systems, Electronic or hard wired control.

SAFETY SYSTEMS INTEGRATED WITH CLIENT SPECIFICATIONS:

AXIS provides complete integrated analyzer shelter systems and all related services from initial engineering through manufacturing, testing and field start-up. Analyzer Systems are normally supplied & installed in the special Analyzer shelter including air-conditioning or HVAC, power distribution, lighting, termination / Junction boxes, gas and flame detection, relevant piping and wiring

One team of specialists manages your project from start to finish. AXIS's staff has extensive experience with virtually every type of process analyzer shelter as well as with various forms of housings such as stainless steel, galvanized steel buildings, cabinets and racks. Years of in-plant experience guarantee the best available technology in your system designs

