

A SYSTEM FOR EMERGENCY ISOLATION AND RESPONSE OF A PIPING FACILITY

Abstract

A process of mapping piping systems associated with a refinery and petrochemical facilities is disclosed, which maps piping systems, which interconnect facility operating units with other operating units, utilities, distribution facilities and storage units. A system for aiding in the isolation of piping systems, operating units and other facility components is also disclosed. The system includes a search database having representations of the piping systems and its related components. A method of isolating an event within a facility is also disclosed. The method includes identifying the location of an event in the facility, performing a search to identify the impacted piping systems and related components, and identifying measures to isolate the event.

Figure 2