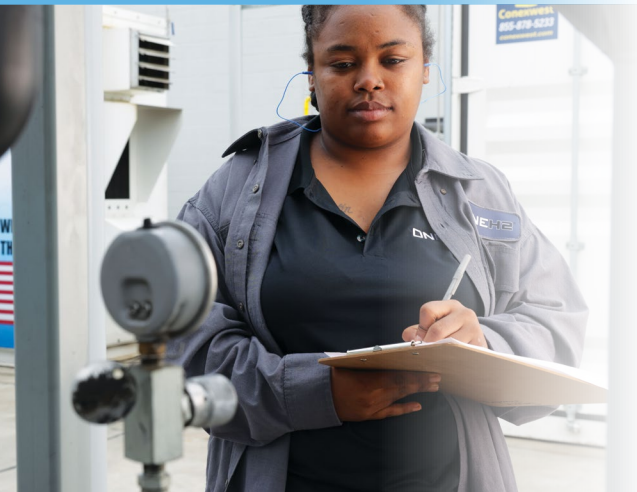


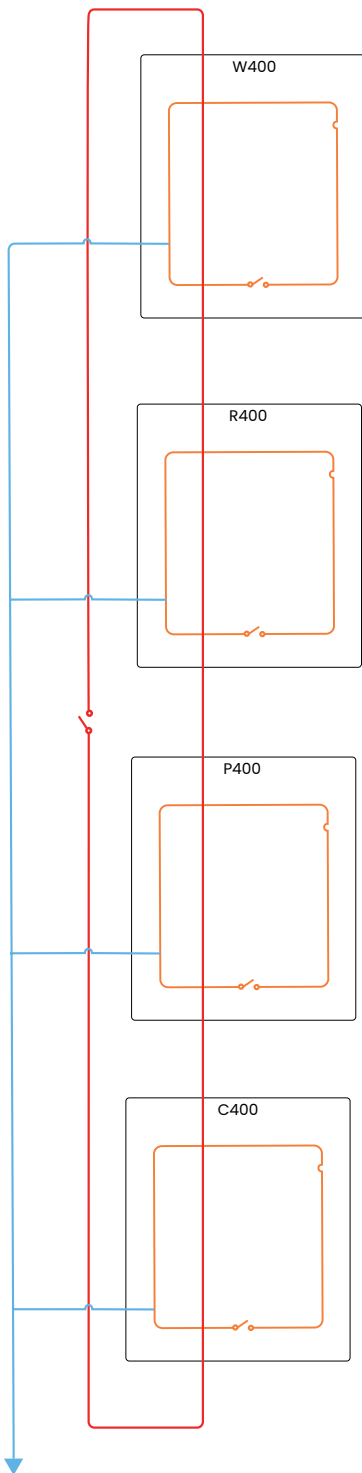


From generation to fueling, we incorporate industry safety standards into every step of our hydrogen fueling systems. Our systems enable users to control their operations in real-time, incorporating multiple levels of interlock relays to ensure safety. We know that making hydrogen fuel a viable clean energy solution means ensuring safe generation, transportation, and utilization processes. By putting users first, hydrogen fuel can be accessible to all.



KEY BENEFITS OF ONEH2 SAFETY SYSTEMS

- Safety interlock relays that terminate power to the equipment when triggered
- Individual safety relays per H2 production module (local safety relay) plus an additional master safety interlock relay for the H400 system (global safety relay.) Option to be triggered remotely
- Each layer operates independently of each other
- Further redundancy within each module with multiple sensors, or sensors with similar/ overlapping functions, and overlapping detection areas
- Ease of operator emergency shutdown with highly visible, multiple e-stops: Five (5) per H400 (one local per production module + Master e-stop)
- Single dashboard for operation and management for viewing real time data
- Modular to fit every company's needs and scalable to compete with demand



SAFETY INTERLOCK 1: ECU CONTROLLED

- Unlimited cause/effect logic conditions to trigger shutdown, and respond to shutdowns
- Programmatic conditions by dual processor control box with backup batteries
- RS485-ModBus communications for fault status / inter module command and control

SAFETY INTERLOCK 2: LOCAL SAFETY INTERLOCKS

- Safety devices maintain a direct connection to an in-module (local) safety relay
- Ability to shut down production module independent of state of Safety Interlock 1
- Localized E-Stop for operator intervention

SAFETY INTERLOCK 3: GLOBAL SAFETY INTERLOCKS

- Master and remote E-Stop for Operator intervention, direct connection to Master Electrical 480 VAC panel
- Direct interlocking of all production modules
- Real time system Global Safety OK (GSR OK) communication status to all Control Systems

H400 SAFETY COMPONENTS

