

electrical disconnect switches, fuses or circuit breakers used to control, protect, and isolate electrical equipment. They can be used to de-energize equipment to allow work to be done and to clear faults downstream. By way of background, oil and gas equipment is often transported across rough terrain and left in harsh weather conditions for the majority of its service life. Thus, the switchgear of the present technology is weatherproof and able to endure the wear and tear of mobilization. Shock absorbers can be placed in multiple locations, from the mounting bolts holding the switchgear housing to the trailer frame to the bolts holding externally mounted control panels in place.

[0038] According to some embodiments, air conditioning units can be installed within the switchgear to make sure the temperature of the internal electronics stay within their operating parameters and do not overheat. In one example embodiment, two air conditioners are used, but more or fewer can be included. In another embodiment, two air conditioners are installed, but only one is required to meet the cooling demands. This allows for redundancy in the event that an air conditioning unit fails.

[0039] In addition, external decks/walkways have handrails in place for safety which meet government safety standards, and the entire switchgear can be designed and built in accordance with government and industry standard regulations, such as NEMA, ANSI, and NFPA regulations.

[0040] The switchgears 109 and 111 can include safe and environmentally conscious vacuum circuit breakers. These breakers can be installed in draw-out enclosures which allow them to be removed and replaced in a timely manner and without dismantling the switchgear. The switchgear and breakers are designed in accordance with government and industry standards, including ANSI and IEEE standards C37.04, C37.06, and C37.20.2, and can have the