

PORTABLE OUTDOOR DISTRIBUTION STATION



PODS

Partner Technologies designs and manufactures portable outdoor distribution stations (PODS) in standard sizes up to 10MVA at 145kV.

PODS allow customers to save significant costs compared to building a conventional distribution substation. The unique design offers customers a completely tamper resistant dead-front substation with a minimal footprint. It is safe and has improved aesthetics, eliminating fencing and extensive overhead structures.

At 10MVA, the integrated modular concept ships fully assembled on a standard trailer eliminating a lot of costs associated with onsite substation planning, assembly, oil processing, and testing.



5MVA 72kV Old Wood Pole Substation

PODS are designed to be maintenance free. Reliability is improved because the station has no live parts exposed to the environment or wildlife. Protective monitoring equipment is supplied for local inspection. However, PTI can add communication to provide remote monitoring or adding the station to an existing SCADA system.

Typical substations can take upwards of two years to develop, design, purchase materials, construct, and commission. PODS will not only save significant costs, but can also be manufactured, shipped and installed in less than 24 weeks after receipt of order.



PODS - Key Benefits

- PODS provide a compact, easy to install assembly of functionally equivalent substation components.
- Product is unique as it is safe to the touch while operating at voltages up to 145,000 Volts and 10MVA in capacity.
- Modular convenience allows customized equipment configuration and expandability
- Substantially reduces cost, land requirements, complexity, construction engineering, on-site installation, commissioning time and environmental impact compared to conventional substation designs.
- Reduces the demands placed on customers' increasingly skilled but scarce, technical and construction resources.
- Addresses the many skills shortage issues currently facing North American utilities and industrials.
- Enhances utility and industrial providers' ability to supply/service new demands for electricity and/or infrastructure replacement.
- Improves serviceability and ease of use and is compatible with remote communications.
- Incorporates a plug and play approach with fast turnkey handover provisions back to the utility/industrial customer.
- Roll on, roll off portability is key for emergency or temporary power requirements
- Improves public perception and acceptance by providing a neat and compact low profile solution rather than undesirable exposed wood and steel structures in a fenced compound.

