



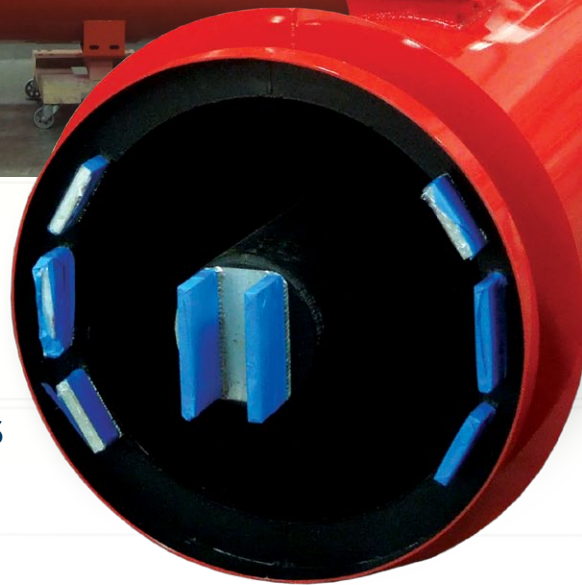
ISO PHASE BUS

For Hydro and Pumped Storage

Crown Electric Eng. & Mfg. LLC designs, fabricates and installs Iso Phase Bus. Crown also maintains and upgrades IPB for most domestic legacy installations.



- Fabrication
- Installation
- Upgrades & Upbrates
- GSU Change Outs



36.00'

Fabricators to the Utility Industry

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ISO PHASE BUS

For Hydro and Pumped Storage

Pumped Storage and Hydro facilities amass and produce much of the industry's greenest power.

They are vital production components in the energy mix of the modern generation base.

Many of these facilities are incredible civil engineering marvels creating environments of great awe, recreation and beauty.

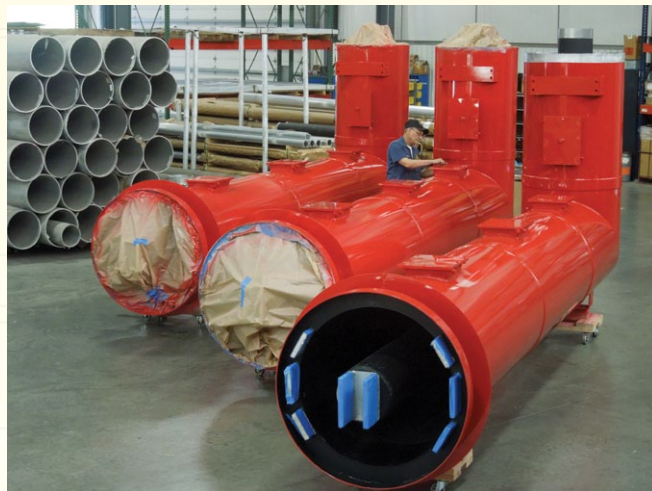
Iso Phase Bus plays a crucial role in channeling the electricity produced by these massive water driven dynamos to their respective Generator Step-Up Transformers. Iso Phase Bus employed in Hydro and Pumped Storage facilities must be cognizant of the environmental conditions prevalent in each unique locale. And - If that weren't enough - Hydro and Pumped Storage IPB must be specifically engineered and manufactured to safely operate trouble free with few maintenance requirements for the better part of a century.

Engineering Iso Phase Bus for Hydro and Pumped Storage facilities requires, as a minimum, consideration of:

- Hydro's and Pumped Storage unique operational cycling schedules
- High humidity & condensation conditions
- Chimney effects and associated "thermal pooling"
- Extraordinary mechanical loading on conductor supports due to the weight of very long vertical runs
- Dust, sand, and particulate conditions exacerbated by high, driven winds
- Inability of Iso Phase Bus to radiate heat when located in long, tight mountainous shafts
- Pressurization and / or forced cooling needs
- Appropriate gasket materials, frequently required seal-off bushings, critical breather and drain designs

Crown Electric engineers, designs, fabricates, installs and maintains Iso Phase Bus for Hydro and Pumped Storage generating facilities.

Whether building, re-building, uprating or maintaining – Crown Electric is the turn-key source for all your facilities Iso Phase Bus Duct needs.



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