

## Valhalla Klystron Modulator

Valhalla is a klystron modulator utilizing solid-state IGBT switches based off a patented parallel Marx generator topology with built in droop compensation. The small footprint allows the system to be designed into rotating gantries and several novel features exist that greatly reduce the MTTR compared to competitive systems.



- Voltage: 40KV – 130KV
- Current: 30A – 100A
- Peak RF Power: 13MW
- Peak Duty: 0.001 @ peak RF power
- Average Modulator Power: 30KW
- Repetition Rate: 400Hz
- Pulse Width: 5us
- Mains: 3 phase 480V
- Cooling: Water cooled
- Mounting: Klystron socketed in oil filled pulse transformer tank
- ROHS and ITAR compliant

STANGES INDUSTRIES, INC.

