

GENERATOR REPAIR SERVICES



Onsite hydroelectric generator rewind
(10 MW / 6.9 kV / 171 RPM)



Onsite turbine generator rewinds
(22 MW / 13.8 kV / 3,600 RPM)



Engineered Rewind Technologies



IPS Field service technicians work on a 44 MW
GE hydrogen-cooled generator.

Generator Repair capability thru 15KV or 40 MW
Repair of all generator brands
Dedicated Control Wheel Remanufacture Cell (brushless)

Insulation Systems
Engineered Premium VPI system

MegaSeal HV / Global VPI (thru 15kv) with 5 year warranty
(Must have sent in Houston Shop)

EnduraSeal MV / Global VPI (thru 6.9kv) with 5 year warranty
(Must have sent in Houston Shop)
B Stage Field Rewind system
Integraseal HV (thru 15kv)
Coils Manufactured by IPS

Rotor pole rewind and reinsulate service

Engineering uprate and design services
Increase generator capacity
Improve generator performance

IPS Houston plant (LaPort, Texas) capabilities:
14 foot VPI tank with 100% solids epoxy resin
50 ton crane capacity
Dynamic balance stand up to 25,000 lbs.
Bake oven: 14'x15'x20'
Burn out oven: 14'x15'x20'

Generator Testing
El CID
Corona Probe
MCE
Partial discharge
Vibration analysis Thermography
Surge test
Power factor tip-up