

De-risking Plant Commissioning



ETP De-risking Plant Commissioning Platform



De-risking Commissioning for Data Centres & Power Plants



Power-Plant-Controller (PPC) Performance Verification

Testing the Physical PPC to:

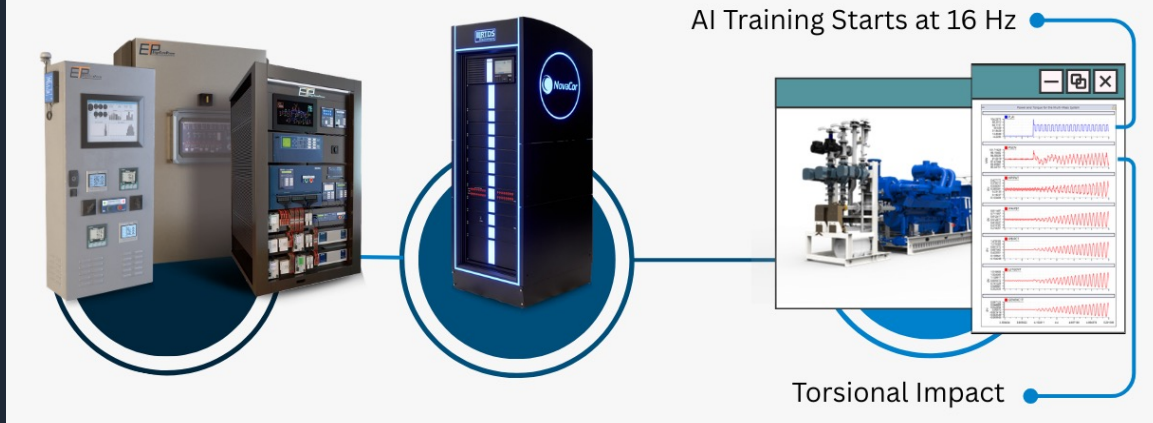
- Enable Smooth Commissioning
- Determine Communication Latency
- Identify Discrepancy Between Software (PSCAD & PSS/E) and Physical PPC
- Troubleshoot PPC Maloperation in the Lab Environment Rather than the Field



IBRs & DERs Performance Verification & Unit-Model-Validation

Testing the Physical Controller to:

- Ensure Matching Between the Physical Controller and Software Models (PSCAD & PSS/E)
- Identify Issues with Controller Firmware for Ride-through Performance and V-f support
- Ensure Reliable Communication Between IBR and DER Controllers and Master Controller (PPC)



Data Centre Performance Assurance

Real-time Simulation of Data Centre Digital Twin:

- Real-time Model of Gen-sets, UPS systems, Cooling Systems and AI Load Profiles
- Complete Representation of Communication Mediums Between Data Centre Master Controller (PMS-PPC) and IBR Controllers
- Performance Verification of GFM Technologies for Co-location with Data Centres



CONTACT US

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