GE Grid and Power:

**Power Transformers Retrofit (PTR)** - India, China, Turkey, UK, Berlin, Brazil

Challenges:

* Mismanagement of inventory
* Cannot implement MES (Manufacturing Execution system), Warehouse management (WM) and scheduling with current setup.

Scope:

* Setup and deploy manufacturing execution using SAP discrete manufacturing
* Implementation of warehouse management

Methodology:

* Productized delivery - One governance, one documentation and one training program.
* Core model validation
* Identifying configurations and modifications based on the landscape
* Data migration from legacy systems to standard SAP model.
* Testing using automated scripts and delta steps.
* Cutover planning and execution for all the sites as rollouts.

Benefits:

* Inventory savings of $7.4M
* More visibility to the inventory
* 30% reduction in project timelines
* 50% reusable cutover plan

GE Aviation & GE Power

**Smartshop** - Interface integration between Predix and Enterprise Resource Planning Maintenance, Repair and Operations

Challenges:

* Complex SAP screen-flow to perform any specific operation.
* Separate backlog ERP Architecture for individual Businesses
* Manual processes for data maintenance

Scope:

* Integrate SAP and Predix
* Build Business APIs.
* Build as reusable and deployable product.

Methodology:

* Single screen processing capabilities.
* Common backlog for similar data of different businesses.
* Leverage Predix Analytical functionality

Benefits:

* Improved system integrity and seamless data sync.
* Manual entry errors eliminated
* Paperless shop floors and better job management
* Material and operation sync.
* Project activity sync based on material Bill of materials
* Auto project creation on sales order creation
* Cost Avoidance - Excessive spend on data stabilization (approx. $550K per year)
* Productivity savings due to improved process and risk mitigation (approx. $1M)
* 20% improvement to on time delivery