

MSD Carlow

This project involves the investment by MSD in their Carlow site to secure the production of the biologic and vaccine pipeline for two of its major products Keytrunda and Gardasil 9. The goal is to support the MSD productions capacity for Keytrunda and Gardasil 9 by building a state of the art facility that mimics the current Carlow 1 in size, layout and capacity to leverage the current knowledge from the current site operation.

The Carlow 2 project consists of several buildings:

- Production building
- Spine Corridor Expansion
- Dedicated Clean Utility Building
- Black Utility Expansion
- Warehouse Expansion

The scope also includes changes to the existing Carlow 1:

- Reduction of existing warehouse ambient storage area to provide new QC and MRO area
- Extension of existing Grade C Kitting area
- Tie in and extension of existing electrical rooms (LV & MV)
- Installation of chiller and cooling tower in existing CUB

Scope of work

- Electrical Equipment Installation:
- MV Switchgear (Free Issue)
- LV Unit Substations (Free Issue)
- Generator, Step Up Transformer & NEW (Free Issue)
- Step UP Transformer for Existing Generator (Free Issue)
- Main Distribution Panels
- UPS Panels, Distribution Boards & Equipment
- Variable Speed Drives (VSD) and Direct On Line (DOL) Enclosures
- Final Distribution Boards
- Active Harmonic Filtering Systems
- Photovoltaic Systems
- MV, LV Power and Control Cabling Infrastructure
- Cable Containment Systems
- General Services and Small Power Systems
- Process and HVAC/Mechanical services power supplies
- Normal and Emergency Lighting Systems
- iLighting Controls System
- Fire Alarm System
- Gas Detection System
- Security Access Control & CCTV Systems
- BMS DUP's
- BMS Cabling
- Earthing & Equipotential Bonding Systems
- Lightning Protection System
- Energy Monitoring Systems
- Testing & Commissioning of all systems
- Handover Documentation and Systems Demonstrations

Client: **Merk Sharp & Dohme Sharp**

Start date: **December 2019**

End date: **July 2021**

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