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KLM contracted by Grocon to provide the Electrical & Communications solution at….

BIOSCIENCES RESEARCH CENTRE PROJECT

The Victorian Government through the Department of Primary Industries (DPI) and La Trobe University are investing in a new world class facility for agricultural biosciences research and development. The new facility will be known as "AgriBio" and will accommodate up to 400 staff consisting of scientists, students and business support.

AgriBio will strengthen Victoria's international reputation for plant, animal and microbial bioscience and bioprotection research and diagnostic. It will also enable researches to focus on threats such as climate change.

KLM have been contracted by Grocon to design and construct the electrical and communication systems at the Biosciences Research Centre (BRC) at La Trobe University, Bundoora campus.

KLM's scope of work is to provide the electrical, general power, generator, standby power system, UPS, lighting and communications systems to the three stories of 30,777sqm facility. The building includes a core laboratory, office building, basement, external buildings and external facilities such as a large glasshouse and polyhouse complex.

KLM will be responsible for extensive electrical, communications works as detailed below;

- Supply and installation of underground consumer mains including all supports and enclosures and terminations at the main switchboards.
- Supply and installation of sub-mains cables and support systems to all switchboards, including primary mechanical switchboards, hydraulic switchboards, fire protection services switchboards, AV switchboards and lift control panels.
- Supply and installation of un-metered sub mains for tenancy areas with cable ladder/tray and all accessories.

- Supply and installation of all lighting and power sub circuit cabling.
- Supply and installation of all switches, GPOs, single and multi phase power outlets including weatherproof outlets and accessories.
- Supply and installation of an earthing system complete with earth rods and inspection pits for all equipment including electrical, standby and cogeneration power plant, communications, surveillance systems and lightning protection systems.
- Supply and installation of standby diesel generators.
- Installation of all car park, pedestrian walkway, security and landscape lighting including all underground cabling and reticulation support systems.
- Supply and installation of a complete lighting control system to suit functional and operational requirements of the facility including daylight harvesting, zoning, perimeter lighting, timer and occupancy control. All associated control cabling, switches, relays, adjustable daylight controls, sensors.
- Provision of 24/7 lighting circuit throughout the facility to enable safe movement.
- Supply and installation, including programming, commission and testing of monitored single point emergency and exit lighting system including central monitoring testing facilities.
- Supply and installation of underground conduits for incoming communications cables, conduit from the Facility's Building Distributor to the site boundary.

KLM commenced onsite in November 2010 and works are forecast for completion in July 2011. KLM's electrical and communications solution coupled with their expertise in this field which spans 30 years will enable the Biosciences Research Centre to demonstrate their skills and attain a high reputation within their industry.

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