



Project: Wollongong Multi- Storey Office Development



Description:

This project comprises 5 levels of commercial floors (1400sq m per floor), 2 levels of car parking plus entry foyer, loading dock etc.

The building will be designed as an 'A' grade building with ABGR 4.5 star rating.

The building façade is primarily glass.

Services provided:

KAE undertook the Mechanical, Electrical and Acoustical designs for this 7 storey office building in Wollongong. This project utilises KAE's energy expertise to achieve a 4.5 star rated building.

To achieve a 4.5 star rating, KAE has utilised state of the art energy modelling software coupled with our experience.

Critical to the design was plant selection, air flow control, turn down performance, zoning, façade treatment & selection and low energy consuming plant equipment.

The building has a large floor plate of 64m x 24m (approx. 1400sq m per floor) resulting in large beam sizes. The services are designed to be accommodated within a reduced ceiling void accommodating both beams and services.

Air conditioning is provided via roof top central plant chillers. Cooling towers, air handling plant etc to serve on floor VAV system reticulation systems.

Summary of deliverables:

- ABGR 4.5 Star Rated building
- Energy efficient design
- VAV air conditioning
- BMCS control
- New power supply to site c/w new substation
- Acoustic design
- Tenant supplementary systems