

Intel 'FAB28' Wafer Plant, Israel

Middleton Consultancy's **Neil Hatingh** was one of the General Construction Managers (Site Superintendent) on the construction of Intel Corporations' largest and newest microprocessor plant in Israel and the biggest in the entire Middle East. It took Intel three years to build the plant at a cost of \$1.6 billion and has been named 'Fab 28' locally.

With 20,000 square meters of clean room space, the completed Fab 28 structure measures 70 acres. 770,000 meters of cables were put during the construction which is 1.7 times the length of the State of Israel. 350 tons of cables and other accessories were installed in the factory (equivalent of 2 Jumbo, 747 airplanes) as well as 45,000 lighting fixtures which produce 1.8 million watt, the equivalent of the lighting of 5 football stadiums.

Fab 28 is among Intel's most environmentally friendly factories, incorporating a number of energy conservation measures and highly advanced systems for treating chemical waste and wastewater. Intel invested more than \$20 million in a wastewater treatment facility that meets Israel's stringent wastewater treatment regulation.

Various environmental elements were incorporated into all aspects of the factory, from reuse and recycling of construction water through the implementation of innovative systems for treatment and reduction of waste and air polluting emissions, to the infrastructure required for collecting and recycling the general waste of the production and office areas.

