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# Petronas Twin Towers

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**Customer** Petracarbon Pte Ltd on behalf of  
KLCC Holdings Sdn Bhd

**Situation** The Petronas Twin Towers are a pair of skyscraper office buildings in Kuala Lumpur, Malaysia, that are among the world's tallest buildings. They are the headquarters of Petronas, the national petroleum company of Malaysia and were completed in 1998. The plan for each tower is identical: an eight-lobed circular structure that contains 88 stories that rise to a height of 451.9 metres (1,483 feet) and the exterior sheathing consists of stainless steel and glass. A skybridge two stories tall links the two towers between the 41st and 42nd stories.

**Challenges** As the occupants of the Petronas Towers are made up of businesses and corporate organizations, a good communications system is vital to security and productivity. The speed of information transmission was also a concern; therefore, in addition to an efficient Radio Communications Network for Mission critical communications, a Central Telecommunications Office (CTO) was connected to multiple exchange routes and carrier providers.

### Solution

Communication Specialists working on the project helped design a system, which allows for fast and reliable Radio Communications by the dedicated Security Personnel, inter-building communication as well as the ability to allow connection to outside telecommunications carrier companies. The on-site Central Telecommunications Office (CTO) controls all of the communication needs within the building and connects the building to the outside world.



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