

# LED Traffic Signals

Contact to retrofit LED Traffic Signals awarded to ST Elect

A contract for the Island Wide supply and retrofitting of LED Traffic Signals has been awarded to Singapore Technologies Electronics on 30th April 1999. The contract is valued at S\$22.1 million.

This award would see the replacement of the conventional incandescent lamps with new enabling technology Light Emitting Diodes (LED) that create a new outlook in Traffic Management. This contract will help LTA overcome the growing pressure to reduce operational and maintenance budgets which are not achievable with current installations.

The LED Traffic Signal uses a reliable advanced technology, providing savings on energy and maintenance costs with a shorter payback period. Energy savings with LED traffic signals are significant as LED lamp consumes only about a third of the energy consumed by its incandescent counterpart of comparable luminosity.



*(Left) Sun phantom effect found in incandescent lamps*

*(Right) The new LED traffic lights*

*Picture courtesy of LTA Journeys newsletter*

The considerable durability of the LED Traffic Signal improves traffic safety. It also eliminates problems of poor visibility and sun phantom effect predominantly found with incandescent lamps. Due to the technical improvements in the LED diodes, LED traffic signals are becoming increasingly efficient and reliable and will be the technology for Traffic Management of the future.

ST Elect's ability in the design and manufacture of the optical assemblies underlines its strength and commitment to this new wave of traffic management technology and products.

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