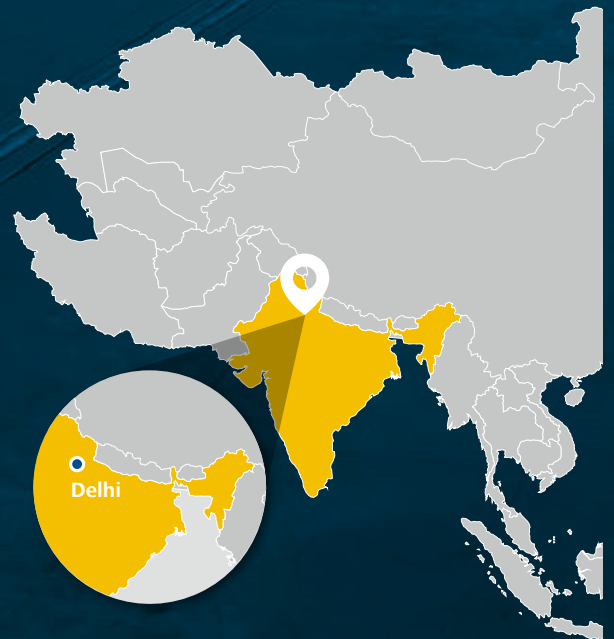




DMRC ENERGY EFFICIENCY INDIA

Facilitating energy efficient measures
in stations of the Delhi metro, India



This project reduces energy consumption levels of the Delhi Metro Rail Corporation (DMRC), not only creating greener transport infrastructure but supporting a range of programs that contribute to the sustainable development of India.

The Context

The Delhi Metro system is an essential element of India's vastly expanding economy, providing an efficient and reliable mode of transportation as India rushes towards modernisation. With a commitment to reduce greenhouse gas emission intensity by 35% (compared to 2005 levels) by 2030, India is leading the way for climate action in the international arena.

The Project

This project facilitates a range of sustainable measures taken by India's well known transport company, the Delhi Metro Rail Corporation (DMRC). By mobilising energy efficient measures and reducing carbon emissions, DMRC sets an impressive standard for sustainable development in India. The project activity reduces electricity consumption through various energy efficiency systems in lifts, escalators, lighting, air conditioning and roofing.

The Benefits

In addition to energy efficiency, this provides social benefits through training and awareness programs held to educate employees about environmental capacities, health risks and anti-corruption measures. DMRC also provides medical facilities and education services to its labourers and their children and has supported the construction of a children's home and retirement home in various service areas. Programs have also been conducted raise awareness on female literacy and the role of women in mitigating environmental issues. Overall, the installation of the metro system throughout Delhi has reduced nearly 58,000 vehicles from roads daily, reduced road accidents by 1400 yearly.

A Children's Home, to accommodate 125 children, having 5 dormitories, two classrooms, a playground, an amphitheatre and a library has been constructed by DMRC at Tis Hazari.



Gold Standard



3
welfare facilities

constructed, improving health services in project area



125 children

given access to quality care and education



7,035 employees

guaranteed to fair work, strengthening local economies



7,071 tCO₂e

emissions reduced annually by reducing the consumption of fossil-fuel energy in train stations

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: Energy Efficiency measures in DMRC Phase II stations | **Markit link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000001684 | **GS ID:** 1684

#READYFOR2020

Visit www.thesouthpolegroup.com/contacts to find your local office or call our Headquarters in Zurich on +41 43 501 35 50