

# case study



## **Passenger Rail Association of South Africa**

Following on from an energy audit, Honeywell's lighting retrofit has created a sustainable future for Durban Railway Station, reducing consumption by 40% and enabling cost savings of R1 Million over three years.

**Honeywell**

# Passenger Rail Association of South Africa

## The Customer

Passenger Rail Agency of South Africa (PRASA) is a critical infrastructure service which is at the forefront of government efforts transforming public transport in South Africa. PRASA's critical objective over the next few years to upgrade the existing passenger railway system in a sustainable manner in order to meet the challenges of a modern society.



## Business Drivers

**Responding to the macro trend of energy sustainability**  
**PRASA sort to understand how they could improve energy sustainability throughout the South African rail network.**  
**Having enlisted Honeywell to conduct an energy audit of Durban Station, Honeywell was subsequently asked to deliver significant improvement in lighting and reduction of energy consumption within Durban Station by the start of the Conference of the Parties on 18th November 2011.**



## The Solution

Honeywell undertook an audit of Durban Station's platforms and warehouses to identify possible energy savings. Analysis showed 70% of energy usage was due to old lighting technology.

Honeywell faced aggressive timescales. Phase One of the project, which involved a lighting retrofit throughout all public areas and the installation of 890 energy efficient lights, was completed within one month of commencement.

To adhere to these timescales, Honeywell faced the challenge of working within a public environment on live train platforms which required extensive health and safety planning, risk management and rigorous project planning.



## Business Outcomes

Within 2 months after project commencement there was noticeable reduction in energy spend at Durban station. Lighting conditions on the platforms were significantly improved creating a safer and more secure environment for all publics and employees. Honeywell was able to meet all energy reduction goals:

- ✓ Reduced energy consumption by 40%
- ✓ Reduced emissions of 39%
- ✓ Cost savings of R1 million over three years

As a result of the energy improvements at Durban Station, PRASA will receive a rebate of R380,000 from South Africa's Electricity Supply Commission (ESKOM) enabling the pack back period within 3 years. Honeywell adhered to the project timescale with no disruption to rail services.

## Find Out More

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CS508-0814en  
August 2014  
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