



Power Electronics

> Case history

WNS, Weikfield in Pune, Maharashtra



Our energy working for you.™

Where:

WNS, Weikfield in Pune, Maharashtra

What:

Installed and commissioned 1 x 125A and 1 x 400A GTEC automatic transfer switches.

Purpose:

The GTEC automatic transfer switches i.e. 125A Automatic Transfer Switches used for the lighting and 400A used for the lifts combines reliability and flexibility in a small, economic package for transferring loads between a utility and a generator set.

Primary choice factor:

Cummins Power Generation's expertise in executing critical projects, analysis based approach and after market service support.

The GTEC automatic transfer switch from Cummins Power Generation, combined reliability and flexibility in a small, economical package for transferring power between loads at WNS, Weikfield in Pune, Maharashtra.

Vascon Engineering Ltd. is among India's top 10 construction companies that believes in striking the right balance between efficient engineering and thoughtful development. Vascon Engineers have more than 20 years of experience in conceiving, developing, constructing and managing varied projects. It is active in multiple sectors including residential, industrial, IT parks, malls and multiplexes, hospitality and community.

The company was working on the WNS project at Weikfield IT park when they realised that they had a need for automatic transfer switches due to frequent power failures. The Power Electronics team from Cummins Power Generation approached them and analyzed their requirement of feeding the lifts and lighting with generator backup during power outages. The scheme proposed by Vascon was that they had two rigs and in each rig there would be a utility and a generator set working. The automatic transfer switch would be transferring the load between these two rigs.



A series of generator sets that provide back-up power to the project



The ATS solution provided by Cummins Power Generation

After understanding the customer's need and application, the team suggested a small, economical and reliable solution of GTEC automatic transfer switches in which 125A was for lighting and 400A was for the lifts.

The benefits that the customer derived from Cummins Power Generation's suggested automatic transfer switch

Since the customer also has 4 x 1010 kVA and 1 x 500 kVA generator sets operating at the site, they required a reliable, flexible and economical package for normal and generator set monitoring, generator set starting and load transfer functions. The GTEC automatic transfer switches are an ideal solution for such needs that call for emergency, standby and optional standby applications.

Features of the GTEC Transfer Switch:

- Economical, reliable, compact, flexible, simple and a true 4 pole transfer switch
- Open transition with in-phase monitor backed up by programmed transition, exerciser and test mode
- Fully-featured microprocessor control is standard with all settings and adjustments designed for easy operator use via front display panel

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- The Cummins automatic transfer switch has easy service access with door mounted controls, ample space and compatible terminal markings allow for easy access
- The controller is easily configurable and user friendly in the field
- 24x7 after sales support provided by Cummins Sales and Services ensures less failure of the switches by scheduling maintenance on yearly basis

"Cummins is a single point contact for diesel generator sets as well as ATS. The biggest advantage of taking Cummins ATS is the 'Power of One' which provides service for both diesel generator sets and ATS. This single window service has made things much easier."

*- Namdev Nanavare
 Project Manager, Vascon Engineers*

The Cummins advantage

Unmatched product design using Cummins state-of-the-art technology, coupled with the largest customer support network in the country, ensures SINGLE SOURCE POWER ASSURANCE to our customers. It is for the obvious reasons, that for over four decades Cummins has been a leading player in power generation technology in India.

Cummins Power Generation is a world leader in the design & manufacturing of power generation solutions for a wide variety of standby and prime power applications.

For more information about integrated standby power systems, contact Cummins Power Generation at cpgindia@cummins.com

