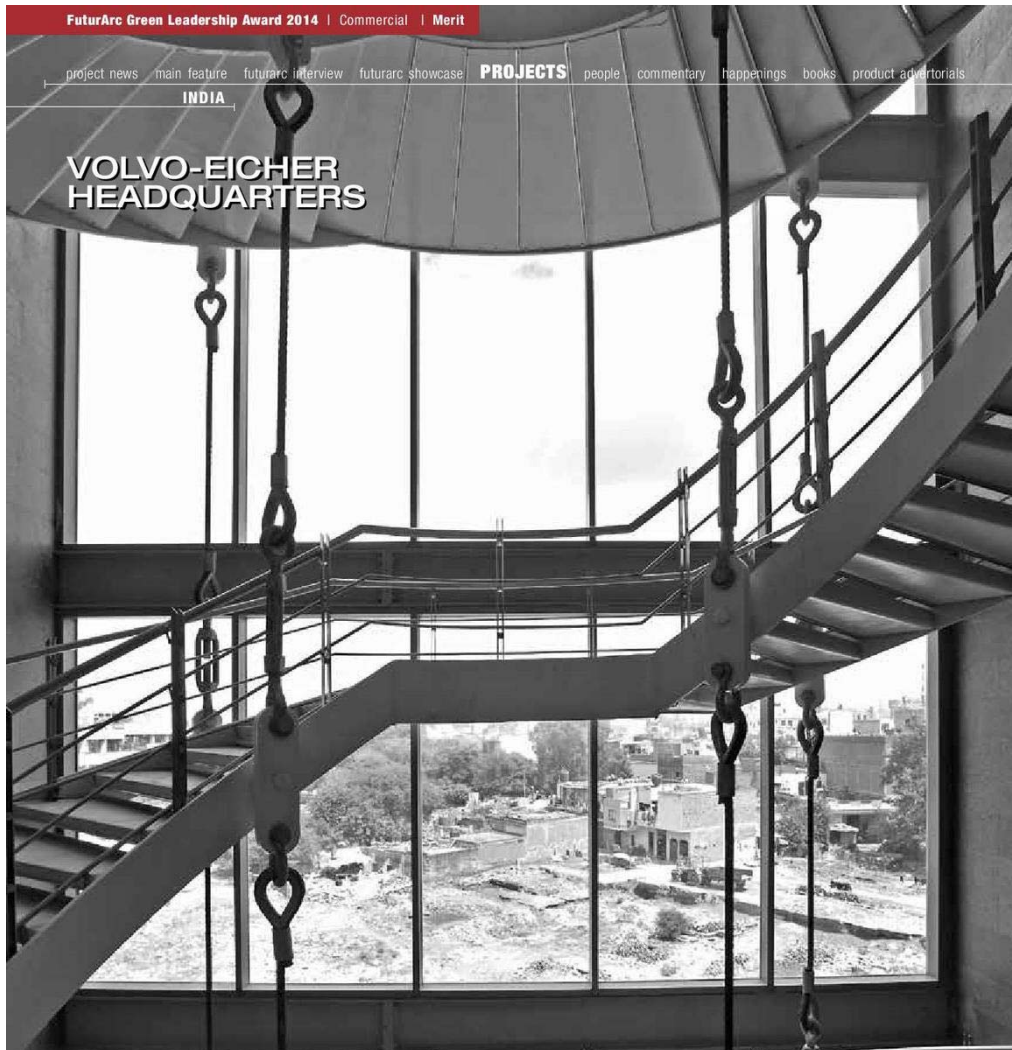


Projects

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INDIA

VOLVO-EICHER HEADQUARTERS

Volvo-Eicher Headquarters

The design goal for the headquarters was to go beyond just constructing a functional office building; it seeks, instead, to create a healthy and productive working environment that would provide comfort and enhance the quality of working life. As such, many of the design features—including the interior furniture—were mindful of its occupants as well as the environment.

A MACHINE-LIKE DESIGN

To reflect the firm's emphasis on engineering, the architects went with a machine-like concept for the building. Defined by a free-span steel structure that is set outside the building's main envelope, the Volvo-Eicher Headquarters consists of two interlinked cubes—each diagonally braced to create a sense of stability—and a central 35-tonne spiral steel staircase suspended from the roof via 30-millimetre cables.


The staircase is one of the main architectural features. Visible from the exterior because of the glass façade, it comprises steps fixed with energy-saving LED strips. This machine-like architecture is further demonstrated in the building connectors, each encompassing a series of deliberately unconcealed nuts and bolts, joints, cables, and beams. Indoors, the steel deck that supports the upper floor is also fully exposed.

DAYLIGHTING AND ENERGY SAVINGS

The project laid importance on natural light. The reliance on daylight rather than artificial lighting not only saves energy costs but also enhances the working environment.

One of the key energy-saving strategies is the inclusion of louvres, which are also a distinctive feature of the building design. The louvres were designed and configured to eliminate glare while maximising daylight penetration into the building. As a result of the louvre fittings, 75 percent of the workspaces are lit by natural light.

To read the complete article, get a copy of the May-Jun 2014 edition at our [online shop](#) or at newsstands/major bookstores; or subscribe to FuturArc.

<p>Project Data</p> <p>Project Name Volvo-Eicher Headquarters</p> <p>Location Gurgaon, India</p> <p>Completion Date September 2012</p> <p>Site Area 4,050 square metres</p> <p>Gross Floor Area 10,350 square metres</p> <p>Number of Rooms 47</p> <p>Building Height Ground + 6 storeys</p> <p>Client/Owner Eicher Goodearth Pvt Ltd</p> <p>Architecture Firm Romi Khosla Design Studios</p> <p>Principal Architects Romi Khosla; Martand Khosla</p>	<p>Architect's Team Chandu V Arsikere; Ram Kumar Nair; Sanjoli Tuteja</p> <p>Civil & Structural Engineer Frishmann Prabhu Pvt Ltd</p> <p>Mechanical & Electrical Engineer Spectral Services</p> <p>Quantity Surveyor Frishmann Prabhu Pvt Ltd</p> <p>Main Contractor Geodesic Techniques Pvt Ltd</p> <p>Images/Photos Romi Khosla Design Studios; Saurabh Pandey; Chandu V Arsikere</p>	<p>Gurgaon India Sun Path</p> 
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