

HVAC Design Engineers from India March alongside French HVAC Design Engineers

On July 14 2009, French and Indian troops marched side by side on the Champs Elysees as a part of the Bastille Day military parade. A little-known fact is that French and Indian HVAC design engineers are effectively marching side-by-side as well.

Sept. 17, 2009 - [PRLog](#) -- CHENNAI, INDIA: Late in 2011, a 750,000 square foot, 585-bed, massive multi-speciality hospital is scheduled to open near the small French village of Jossigny. Jossigny lies 15 miles east of Paris, on the D406 motorway, with picturesque windmills sitting on quiet fields and time flowing peacefully on for its 600-or-so inhabitants.

Interestingly, a portion of the design of this hospital is being performed in Chennai, India, a busy, sprawling, bustling Indian metropolis with a high-traffic international airport, a sea of software companies and a population of 12 million.

The hospital is the public sector Marne-la-Vallée New Hospital, built to supplement the existing medical facilities of the region. Part of its HVAC design (HVAC is an acronym for Heating, Ventilation and Air-Conditioning) is being performed by the Chennai-based company, TMG (<http://themagnumgroup.net/>).

The Hospital has a ground floor with two upper floors and a basement. It contains nearly 3,000 rooms in total, all of them air-conditioned.

Air of a comfortable temperature is pumped into these rooms by large machines housed in basement rooms of the building. TMG is deciding the positions of the large machines in nearly half these basement rooms as well as designing the size and routing of the ducts and pipes within these rooms. The Company uses state-of-the-art three-dimensional (3D) CAD (Computer-Aided Drafting) HVAC design tools for the purpose.

In addition TMG is designing the ducts that take the conditioned air from the basement rooms to all the other rooms. TMG Executive Director Lucky Balaraman says, "Based on given airflow specifications we calculate the cross-sectional area required for the ducting at every point in the distribution system, then draw these ducts to scale on top of the architectural plan."

TMG is one of the HVAC design partners of AXIMA-SUEZ, the HVAC contractor for the project.

Balaraman says, "This is the largest project we have worked on for AXIMA in the history of our cordial five-year business relationship. Ours is a model partnership, where several of our HVAC design engineering team work closely with their counterparts at AXIMA-SUEZ, and where staff members of each company regularly visit the offices of the other. The rich personal relationships and memorable times spent together further strengthen the already deep ties the companies have with each other."

He goes on to say, "Based on our long and close interaction with our French customer, we can say without doubt that French and Indian cultures possess many common facets, resulting in a mutual affinity between their peoples, whether they are diplomats, businessmen or HVAC design engineers. No wonder the two countries have always got along well over time."

For more information on the close collaboration between French and Indian engineers, visit <http://themagnumgroup.net/>.

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Source Lakshman Balaraman
City/Town Chennai
State/Province Tamil Nadu
Zip 600010
Country India
Industry [Architecture](#), [Technology](#)
Link <https://prlog.org/10345920>



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