

## Tour D<sup>2</sup> in La Défense, at the cutting edge of innovation and energy performance

Issy-les-Moulineaux, 11 February 2015



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Tour D<sup>2</sup>, designed by architects Anthony Béchu and Tom Sheehan, is giving business district La Défense a fresh new look thanks to its oval shape and steel exostructure. Topping out at 171 m and covering a net floor area is 54,000 m<sup>2</sup>, the tower has capacity to accommodate 4,200 people working on 37 storeys. On the top floor (the 37th) the 'cloud garden' provides a panoramic view of Paris.

Tour D<sup>2</sup> combines high architectural standards and innovative design. It has received the HQE® (High Environmental Quality) label and is certified "Very Good" under Breeam® standards. Furthermore, it is fitted with a Twin® lift system, where two independent cars occupy the same lift shaft - reducing the area of the service core and providing more usable floor space. This is the first time that such a system has been implemented in France. For user comfort, the building features air

handling units with energy recovery and a light harvesting system, which automatically adjusts artificial lighting to levels of natural light and occupancy. Total building weight has been cut by 30% using a composite floor system containing steel joists and participating decking supporting concrete.

With the tower's surroundings redeveloped by La Défense Seine Arche public development authority (Epadesa), Tour D<sup>2</sup> has created pedestrian connections between La Défense and the municipality of Courbevoie, thus helping to repurpose the existing ring road as an urban thoroughfare. The project was financed by Sogecap and developed jointly by Bouygues Immobilier and Sogeprom. This operation is part of the La Défense Renewal plan that started in 2006, which calls for the construction of an additional 150,000 m<sup>2</sup> through demolition-construction and extension projects.

### About Bouygues Immobilier

Bouygues Immobilier is a leading private property developer in France and Europe, with 1,558 employees at 31 December 2013 and sales of €2,510 million in 2013. With 35 branches in France, two elsewhere in Europe, and one in Morocco, the company has over 50 years' experience in developing residential, corporate and commercial projects for customers in more than 230 towns and cities. Embracing an active approach to sustainable development and innovation, Bouygues Immobilier is committed to continuously improving both the technical and architectural quality of its buildings and customer satisfaction. Bouygues Immobilier was the first property developer in France to achieve ISO 9001 certification. On 1 July 2010, it initiated a systematic approach to obtaining BBC-effinergie® certification for all of its residential properties, more than two and a half years ahead of schedule.

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Press contact:

Bouygues Immobilier: Valérie Petitbon - Véronique Guilloton - Tel: +33 (0) 1 55 38 26 09 - [VPB@bouygues-immobilier.com](mailto:VPB@bouygues-immobilier.com) - [VGU@bouygues-immobilier.com](mailto:VGU@bouygues-immobilier.com)