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PCT constructs 23m Hilal for Makkah Clock Tower

by CW Staff on Apr 27, 2011

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The clock tower will have a 23m self-supporting carbon Hilal.

Premier Composite Technologies (PCT) has celebrated its fifth anniversary by hosting a company function around the test construction of the Dokaee Tower's 23m composite Hilal, which will be placed on top of the largest clock tower in the world in Makkah.

The Dokaee development comprises seven high-rise towers overlooking the Holy Mosque. The towers all have distinct design themes, and their heights follow a grading pattern providing a maximum number of direct views of the Holy Mosque. At peak times, the complex is able to accommodate 65,000 guests and visitors.

PCT has supplied the uppermost 370m of the 601m clock tower, a construction that involves over 60,000m² of composite cladding. This includes the four epoxy glass fibre clock faces, two of which measure 43m in diameter, as well as the 23m carbon clock hands and the 23m self-supporting carbon Hilal.

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"Over the past five years, PCT has seen tremendous growth at an incredibly fast pace. This is just the start. As we move forward, we are looking more closely at business development, R&D, new technology and new machinery that will help us to ramp up production more efficiently," said PCT MD Hannes Waimer.

PCT was founded in 2006 by a team of three, including Waimer, with the aim of supplying bespoke engineered lightweight composite structures into the Middle Eastern architectural and marine market.

Today the company works closely with a number of prestigious European architects, including SL Rasch, Snohetta and Foster + Partners, has grown to over 670 people, and has evolved into building the largest clock tower in the world.

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