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## LARGEST AUTOMATED PARKING FACILITY

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### FOR THE RECORD

WHO:  
AUTOMATED VEHICLE  
STACKER (EMIRATES  
FINANCIAL TOWER)

WHAT:  
LARGEST AUTOMATED  
PARKING FACILITY

WHERE:  
UNITED ARAB EMIRATES

WHEN:  
26 JUN 2011

The Emirates Financial Towers in Dubai, UAE, has an automated parking facility that can store 1,191 cars and occupies a net internal area of 27,606.14 m<sup>2</sup> (297,150 ft<sup>2</sup>). The modular parking system is capable of multiple, simultaneous rapid pallet movements and is programmed to control a peak capacity of 360 cars per hour. The facility was completed on 26 June 2011.

The Automated Vehicle Stacker is split over nine floors, occupying a section each of basement levels 4 to 1, ground floor and podium levels 1 to 4. The footprint is a mere 35.5 m x 98 m with a height 22.5 m. Each parking space can accommodate vehicles up to 5,791 mm (19 ft) long, 2,133 mm (7 ft) wide and with a weight up to 2,500 kg (5,500 lb). The maximum speed of the system is 1.25 metres per second. The Emirates Financial Towers is a mixed-use commercial and retail building consisting of two towers.

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#### Robotic Parking Systems

Robotic Parking Systems, Inc. of Clearwater, FL designed and fabricated the machinery for this garage. See [http://www.roboticparking.com/robotic\\_parking\\_projects\\_eft.htm](http://www.roboticparking.com/robotic_parking_projects_eft.htm).

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Nice Well done.

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