

# U.A.E.: DUBAI EYE PROJECT

PROJECT	EQUIPMENT	WEIGHT
CIVIL	SPMTs – BARGES	UP TO 950 TON

Fagioli Abu Dhabi was deeply involved in the transport, load out and load in activity of civil sections for the construction of the Dubai Eye wheel in Dubai. The Dubai Eye wheel is under construction at the Bluewaters Island, a development project near Dubai Marina, in Dubai, United Arab Emirates. Bluewaters Island will feature the Dubai Eye construction, a 210-metre tall giant Ferris wheel, which, when completed will be the tallest Ferris wheel in the world, able to carry up to 1,400 passengers in its 48 capsules, and providing unique views of Dubai Marina.

Fagioli were contracted for the transport, load out onto barges and final load in activities at Bluewaters island of No. 16 sections by means of SPMTs.

The sections were composed by braces and spokes:

No. 8 BRACES weighing up to 995 ton

No. 8 SPOKES weighing up to 493 ton

Fagioli Abu Dhabi team organized the first transport activities from manufacturing area till final destination. The No. 8 braces were manufactured in Abu Dhabi whilst the No. 8 spokes were built at Ras Al Khaim, one of the seven emirates that make up the United Arab Emirates. Fagioli provided 72 axle lines SPMTs for the transport operations, including the drawing and engineering activity. Fagioli were also responsible for the barging, tug, mooring and management activity at Bluewaters Island.

Fagioli scope of work will be finished by early 2018.



## Scope of work

### Locations:

Blue Water island, Dubai,  
Saqr port, Ras al Khaimah,  
Denholm Yam, Abu Dhabi

### Operations:

Land transport of the rim segments and spoke elements  
for the world tallest ferris wheel load out onto the barge  
barge ballast and mooring operation sea transport

### Engineering:

Land transportation design by SPMTs; sea fastening  
calculation for the marine transport; barge mooring  
calculation: ballast plans

## Project Figures

Height of the final construction: 210 m  
Number of modules transported: 16 (8 rims & 8 spokes)  
Weight range: 470 – 950 t

## Fagioli equipment

72 SPMTs- 34 t capacity  
4 ppu  
12 ballast pumps  
6 mooring winches (+ generators, counterweight, etc)  
4 offshore anchors  
manpower: 3 supervisors + 4 operators + 4 riggers

## Duration

12 october 2016 – delivery of the first segment to the  
Blue Water island – rim 1  
status ongoing – 5 modules delivered (possible end date  
– q1 2018)

