

References by activity



Space





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DEIMOS 1 SATELLITE

LOCATION ▶ Spain

INVESTOR ▶ Elecnor (Elecnor Deimos)

PROJECT SCOPE:

Development, construction, launch, commissioning and commercial operation of the Deimos 1 Earth Observation Satellite. This is Europe's first private Earth observation satellite

INVESTMENT ▶ EUR 14 million

START DATE ▶ July 2007

FINISH DATE ▶ July 2009

CHARACTERISTICS:

- ▶ Dimensions: Base 632 x 632 mm, height 1,085 mm
- ▶ Resolution 22 x 22 m
- ▶ 14 daily orbits of the Earth
- ▶ Photographs of any location in the world every 3 days
- ▶ Swath width 620 km
- ▶ Ridge 60 cm
- ▶ Operates at an altitude of roughly 660 km
- ▶ Circular orbit
- ▶ Speed 7.5 km per second
- ▶ Put into orbit on 29 July 2009 from the Baikonur cosmodrome in Kazakhstan



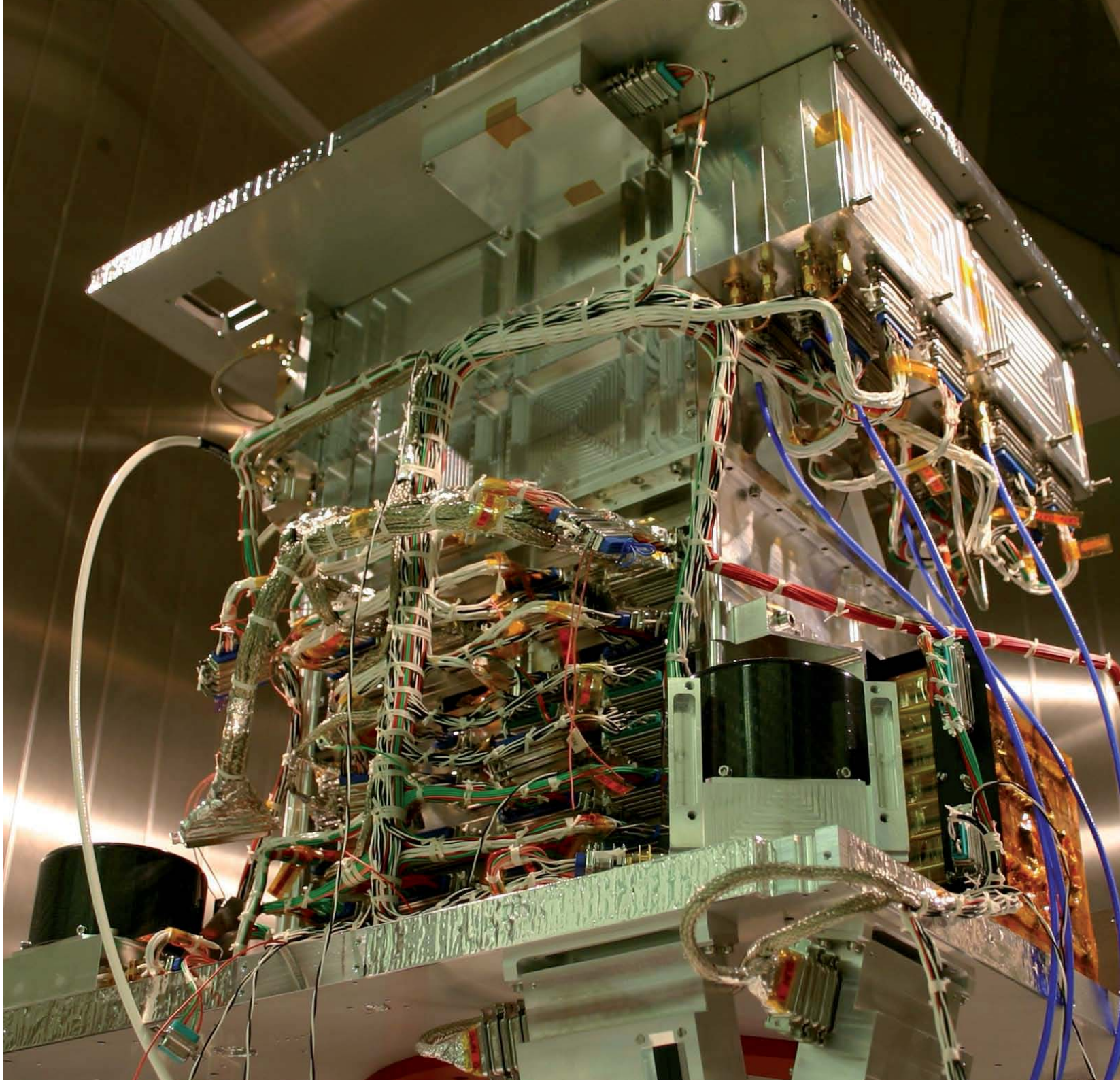
SPAIN

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DEIMOS 1 SATELLITE



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DEIMOS 2 SATELLITE

LOCATION ▶ Spain

INVESTOR ▶ Elecnor (Elecnor Deimos)

PROJECT SCOPE:

Development, construction, launch, commissioning and commercial operation of the Deimos 2 Earth Observation Satellite. This is the second Earth observation satellite developed by Elecnor, with a resolution 400 times greater than Deimos 1

INVESTMENT ▶ EUR 45 million

START DATE ▶ July 2011

FINISH DATE ▶ June 2014

CHARACTERISTICS:

- ▶ Dimensions: 2 x 3 m
- ▶ Weight 300 kg
- ▶ Orbiting at an altitude of over 620 km
- ▶ Covers a daily area of 150,000 km²
- ▶ Determination of orbit: GPS
- ▶ AOCS system:
 - ✓ Star sensors
 - ✓ Inertia wheels
 - ✓ Magnetometers/magneto-torquers
 - ✓ Gyroscopes
 - ✓ Sun sensors
- ▶ Put into orbit on 19 June 2014 from the Yasni Complex in Russia, using a Russian Dnepr launch rocket



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DEIMOS 2 SATELLITE





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SATELLITE INTEGRATION CENTRE

LOCATION ▶ Puertollano. Ciudad Real (Spain)

INVESTOR ▶ Elecnor (Deimos Castilla-La Mancha)

PROJECT SCOPE:

Construction of a centre for satellite development, integration and operation; assembly of a monitoring antenna and the control centre

INVESTMENT ▶ EUR 11 million

START DATE ▶ november 2010

FINISH DATE ▶ october 2013

CHARACTERISTICS:

- ▶ Control centre to supervise and control satellites (remote control data), indicating the images to be taken, manoeuvres by satellites, reception of telemetry data and images.
- ▶ Antenna 10.2 m in diameter, omnidirectional dual S-band/X-band.
- ▶ Land: 10,050 m²
- ▶ Surface area occupied: 1,772 m² built up and 3,201 m² of outdoor landscaping
- ▶ Surface area of control building and offices: 4,100 m²
- ▶ Surface area of Clean Room: 427 m²



SPAIN

Puertollano. Ciudad Real (Spain)

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SATELLITE INTEGRATION CENTRE





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