

An aerial photograph of a city, likely Amsterdam, showing a dense grid of buildings and a complex network of canals. A semi-transparent white rectangular box is overlaid on the top right portion of the image, highlighting a specific area of interest. The text 'DEFENCE AND SPACE Intelligence' is positioned in the top right corner of this box, and the word 'SPOT' is centered within the box in a large, bold, black font. A small green horizontal bar is located at the bottom right corner of the white box.

**DEFENCE AND SPACE**  
Intelligence

**SPOT**

Amsterdam, The Netherlands

**AIRBUS**

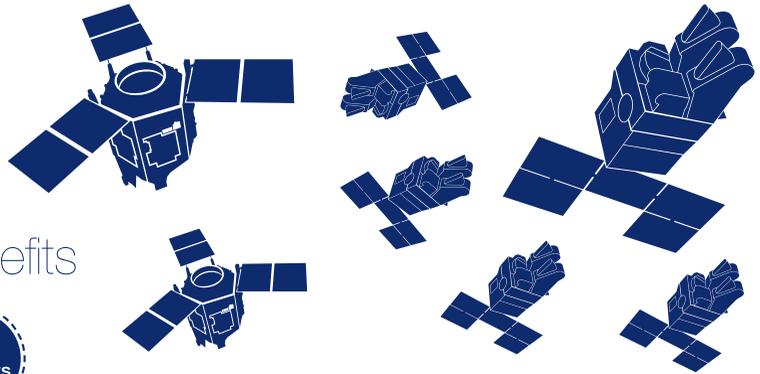
# SPOT

## The Ideal Solution for Country-Wide, Demanding Applications

The SPOT constellation is specifically designed to efficiently cover huge areas in record time. National basemap series are now de-facto updated to support large-scale cartographic and land monitoring applications.

Number of Satellites: 7

Since 1986, SPOT satellites family constituted a unique archive. SPOT 6 and SPOT 7 operating in orbit featuring a true constellation.



### SPOT 6/7 Features & Benefits

#### Key Features

- Global & frequent: daily capacity of 6 million km<sup>2</sup>.
- Wide & homogeneous: 1.5 m products.
- Optimized & efficient: daily revisit capacity anywhere.
- Stereo/Tristereo new acquisitions and archive.

#### Key Benefits

- Complete coverage of any area of interest in record time. The entire landmass is updated yearly, including nation-wide intra-year monitoring.
- Excellent for topographic cartography from 1/250,000 to 1/25,000.
- Superior coverage speed even in persistent cloudy areas.
- Country-wide and adequate 3D models, with ready-to-go Stereo/Tristereo archive over the driest deserts and the steepest mountains.

### SPOT 6/7 Technical Specifications

- **Launch** .....SPOT 6: September 9th, 2012; SPOT 7: June 30th, 2014
- **Orbit** .....Sun-synchronous: 10:00 AM local time at descending node 26-day cycle, 694 km altitude
- **Period** .....98.79 minutes
- **Inclination** .....98.2°
- **Optical System** .....Two Korsch telescopes, each with a 200 mm aperture, delivering the expected swath
- **Spectral Bands** .....Pan: 0.45-0.745 mm; Blue = 0.45-0.52 mm, Green = 0.53-0.59 mm, Red = 0.625-0.695 mm, Near Infrared = 0.76-0.89 mm
- **Product Resolution** .....Panchromatic: 1.5 m; Multispectral: 6.0 m
- **Swath Width** .....60 km at Nadir
- **Dynamic Range at Acquisition** .....12 bits per pixel
- **Viewing Angle** .....Standard: +/- 30° in roll | Extended: +/- 45° in roll
- **Revisit capacity, using Both SPOT 6/7** .....Daily, anywhere
- **Pointing Agility** .....Roll/Pitch 60° within 28 seconds including stabilization time
- **Acquisition Capability** .....6,000,000 km<sup>2</sup> / day (max. capacity), with an average of 3,600,000 km<sup>2</sup> / day
- **Location Accuracy at Nadir** .....< 18 m CE90

### Mission Lifetime

Minimum of 10 years with an estimated lifetime of more than 14 years.