

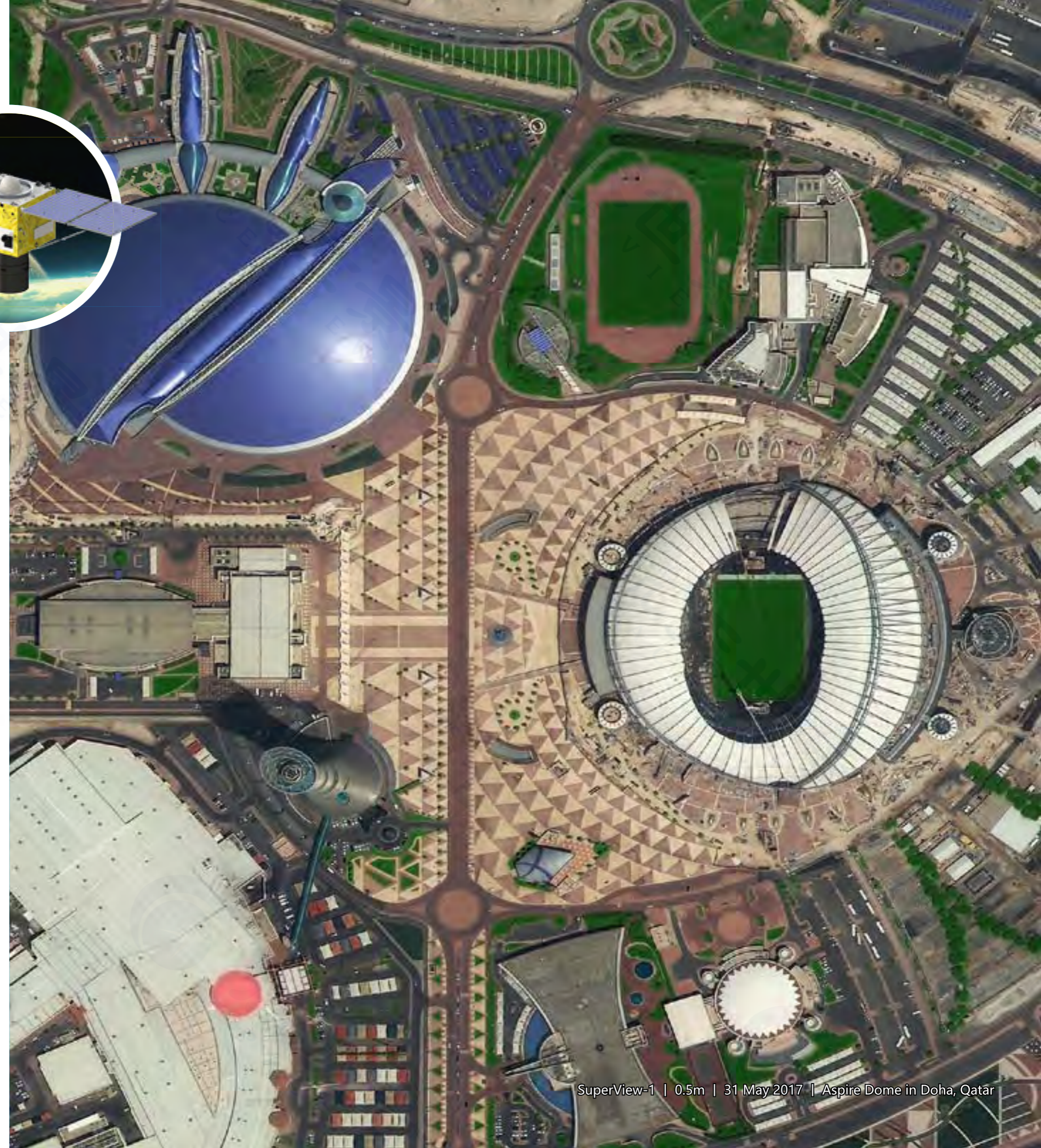
## SuperView-1

From the year beginning of 2018, SuperView-1 (SV-1) is composed of 4 identical VHR EO satellites running along the same orbit and phrased 90° from each other. The first two satellites were launched in December 2016 and the second two were launched in January 2018. More follow-on satellites will join the constellation up to 2022, ensuring continuity of Earth imaging services for global clients.



### SuperView-1's Design and Specifications

Launch time	SV-1 01&02: 28 December 2016 SV-1 03&04: 9 January 2018
Orbit	Altitude: 530 km Type: Sun-synchronous Period: 97 minutes
Design life	8 years
Sensor bands	Panchromatic: 450-890 nm Blue: 450-520 nm Green: 520-590 nm Red: 630-690 nm Near-IR: 770-890 nm
Spatial resolution	PAN: 0.5 m, MS: 2 m
Dynamic range	11 bits
Swath width	12 km (nadir)
Onboard storage	4.0 TB
Stereo imaging	Yes
Revisit time	within 1 day/4 satellites
Positioning accuracy	9.5m CE90
Data transmission	2 * 450 Mbps
Daily capacity	600,000 km <sup>2</sup> /satellite
Internal Geometric Accuracy	1 pixel
PAN&MS Registration Accuracy	0.2 pixel CE90
MS Band-to-band Registration Accuracy	0.15 pixel CE90
Relative Accuracy of Stereo Pair Model	0.3 pixel CE90
Relative Calibration Accuracy	1.50%
MTF@Nyquist	PAN: ≥0.12, MS≥0.25



SuperView-1 | 0.5m | 31 May 2017 | Aspire Dome in Doha, Qatar