Galileo is real

On 17 December Galileosat 11 and 12 will be launched into orbit on top of a Soyuz rocket from the European spaceport in Kourou, French-Guiana. A special launch as now one third of the Galileo constellation is complete and Early services will be made possible within a year. This launch also marks the 10th anniversary of the launch of the GIOVE A satellite. The first galileo test-satellite. In 10 years Galileo has become a reality.

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| 10:00:00 | ESA leader |
| 10:00:10 | Title: Galileo is real |
| * EXT. Images of Galileosat 11 and 12 Arriving in Kourou, Airport – Kourou, French-Guiana – Okt 2015 –ESA * INT. Images of Galileosat 11 -12 in Kourou Galileo cleanrooms, assembly – Kourou, French-Guiana – Nov 2015 - ESA | Kourou French-Guiana, at the European spaceport two more Galileo satellites are being prepared in the clean room dedicated to the Galileo program. These facilities are no luxury as ESA and the Galileo programme have had a very busy year, with a massive output and an even more tight launch schedule to follow. But all the hard work was definitely worth the effort. |
| 10:00:32:00   * INT. office, interview with Didier Faivre, Director of Navigation Programmes – Paris, France – 19nov2015 –ESA | **ITW Didier Faivre, Director of Navigation Programmes, ESA**  2015 is a great year for Galileo. A launch in March, a launch in September, a third launch in December. Six Satellites launched in 9 months. The Galileo deployment is now going full speed ahead. And next year we will not have a completion but a sufficient number of satellite. To achieve tests at high level. So it is very good for the programme these launches today. |
| 10:00:56:00   * EXT, Soyuz launch of Galileosat 9-10 – Kourou French-Guiana – 11sept2015 – Arianespace * INT, Controlroom Galileo Control center – Darmstadt, Germany – 18dec2013 * INT. Images of Galileosat 11 -12 in Kourou Galileo cleanrooms, assembly – Kourou, French-Guiana – Nov 2015 - ESA * INT. Galileo first positionfix ESTEC- Noordwijk, The Netherlands – April 2013 –ESA * ANIMATION Galileo satellite in orbit – Unknown date - ESA * EXT. Launch GIOVE A – Baikonour Russia - 28dec2005 | What is also very good for the programme is that in the course of only one year the number of Galileo satellites in orbit has doubled and now 1/3 of the constellation is up and running with the ground segment also deployed worldwide. And the programme is right on track: once Galileo sat 11 and 12 fully checked and operational in orbit, first services should start by end of 2016.  Now, after the successful in orbit validation phase of the System, ESA is taking full advantage of a return of experience based on several years of operations.  2015 also marks the historic milestone of the 10th anniversary of the launch of the GIOVE A satellite on the 28th of December 2005. GIOVE stands for Galileo In Orbit Validation Element. It was the first test satellite for the Galileo Programme proving the quality of the first navigation payload build in Europe and since the ESA and Europe have come a long way. |
| 10:01:58:00   * INT. office, interview with Didier Faivre, Director of Navigation Programmes – Paris, France – 19nov2015 –ESA | **ITW Didier Faivre, Director of Navigation Programmes, ESA**  In the last ten years we have had six operational launches plus two GIOVE, eight launches. Fourteen satellites launched, a ground segment deployed over the world. An excellent performance demonstrated in March 2013 with a first positioning. Egnos now operational and ready to augment Galileo, on top of what Egnos already does with GPS. So ten years of demonstrating that Europe has joined the club of the powers mastering navigation. So I think that went well. |
| 10:02:28:00   * ANIMATIONS Galileosatellites in orbit and Galileo Groundsegment from space ) unknown date -ESA * INT, Controlroom Galileo Control center – Darmstadt, Germany – 18dec2013 * ANIMATIONS EGNOS – unknown date –ESA * Images of Airplane, computerscreens, city traffic, farming and seatransport from ESA video ‘Preparing Galileo Receivers’ – 2015 –ESA * ANIMATIONS Galileo satellites in orbit and Galileo full constellation | Galileo and Egnos are a perfect examples showing Europe’s expertise in the technology field. With Galileo providing users worldwide with publicly owned high-quality satellite navigation and timing platform and Egnos now being implemented in air traffic management for civil aviation.  ESA and the European commission must now prepare for the provision of Galileo services for the citizens in Europe and beyond. 10 years after the launch of the first satellite Galileo is a reality and Europe has its autonomy in satellite navigation. |
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| 10:03:02:00   * INT. office, interview with Didier Faivre, Director of Navigation Programmes – Paris, France – 19nov2015 –ESA | **ITW Didier Faivre, Director of Navigation Programmes, ESA – English**   * **2015 has been a good year for Galileo** * **Looking back ten years – first Giove launch and now Galileo programme on track** |
| 10:04:15:00   * INT. office, interview with Didier Faivre, Director of Navigation Programmes – Paris, France – 19nov2015 –ESA | **ITW Didier Faivre, Director of Navigation Programmes, ESA – French**   * **2015 has been a good year for Galileo** * **Looking back ten years – first Giove launch and now Galileo programme on track** |
| 10:05:02:00   * INT. office, interview with Didier Faivre, Director of Navigation Programmes – Paris, France – 19nov2015 –ESA | **Galileo satellite 11 and 12 in Kourou Cleanroom** |
| 10:09:40   * EXT, Soyuz launch of Galileosat 9-10 – Kourou French-Guiana – 11sept2015 – Arianespace | **Launch of Galileosat 9 and 10 from Kourou** |
| 10:13:20:00   * EXT. Launch GIOVE A – Baikonour Russia - 28dec2005 | **Launch of GIOVE-A satellite from baikonour** |
| 10:14:16:00 | END |