Building Ariane 6 and Vega C

In the jungle of French-Guiana the new launch facilities for ESA’s Ariane 6 launcher are being build. With the Ariane 6 launcher and the upgrade of the Vega to Vega C Europe expands its launching capacities by creating versatile launchers which meets market demands. Meanwhile ESA supports European industry as both Ariane 6 and Vega C will be fully European.

|  |  |
| --- | --- |
| Image  | Voice |
| 10:00:00:00 | ESA Leader: Building Ariane 6 and VEGA C |
| 10:00:10:00* EXT. Arainespace main facilitities – Kourou, French Guiana –May 2017- ESA
* EXT. Arainespace Ariane 6 future launch site and construction – Kourou, French Guiana –May 2017- ESA
* ANIMATION. Ariane 62 and Ariane 64 still move to decomposition – June 2017 – ESA
* ANIMATION. Ariane 6 Launch into orbit- May 2017 - ESA
 | In Kourou the launch pad for Ariane 6 takes shape.At least the “big hole” is there, the excavation is done and soon the launch zone buildings will appear. For Ariane 6 the pad will be different from previous launchers in Kourou with an horizontal preparation of the stages. In parallel to these ground activities the configuration of Ariane 6 is frozen with 2 possibilities: Ariane 62 mainly for single payloads and Ariane 64 for dual payloads.The goal is to make sure Europe secures its independent access to space and continues to play a key role in the worldwide launcher market competition . |
| 10:00:52:02* ITW. Daniel Neuenschwander Director Space Transportation, ESA- unknown location – 23/05/2017 - ESA
 | **ITW Daniel Neuenschwander Director Space Transportation , ESA**The independent access to space is of course the primary objective. And we always used European developed launchers to fulfil this objective.We were lucky enough that we were very successful also on the commercial market with Ariane 5. We still have over 50% of the commercial market. As we all know this environment is exposed to fierce competition. The offer of launch vehicles from 2020 onwards will be significantly higher and we have designed Ariane 6, we have designed it to costs, we have designed it to be able to go against this fierce competition in 2020 onwards and of course we also use this launcher to deploy European flagship programmes like Galileo |
| 10:01:39:20* ANIMATION. Ariane 6 Launch into orbit- May 2017 – ESA
* INT. ESA ministerial – Lucerne, Switzerland – dec 2017- ESA
* ANIMATION. Ariane 6 Launch into orbit- May 2017 – ESA
 | So Ariane 6 should maintain Europe’s leadership in the fast-changing commercial launch service market while responding to the needs of European institutional missions.This move is associated with a change in the governance of the European launcher sector, based on a sharing of responsibility, cost and risk by ESA and industry.One key factor in this new approach represented by Ariane 6 is the so called European preference: it means launching European satellites with European launchers. This time it should become a reality with tailored contracts for European institutional customers like governments, ESA, Eumetsat and of course the European Union.  |
| 10:02:23:02* ITW. Daniel Neuenschwander Director Space Transportation, ESA- unknown location – 23/05/2017 - ESA
 | **ITW Daniel Neuenschwander Director Space Transportation , ESA**We build Ariane 6 on the heritage of Ariane 5 mainly, so technically we know exactly where we are going. On the cost side we diminish by 2 , by better processes, by using existing technologies as you know. So in fact we come on the market with a reliable, hopefully reliable, but a good product at a clear cost. This has to be seen together with the needs from the customers. The customers need to deploy today Galileo and we have an opportunity to match the two together and make sure that Europe flies its own programmes with its own launchers. |
| 10:03:05:15* ANIMATION. VEGA- C launch and flight – May 2017 - ESA
* ANIMATION. Ariane 6 Launch into orbit- May 2017 – ESA
* ANIMATION. VEGA- C launch and flight – May 2017 – ESA
* EXT. Ariane 5 on Launchpad – Arianespace , Kourou, French-Guiana – 2016- ESA
* EXT. Soyuz CSG launch – Arianespace, Kourou, French Guiana – 2016 - ESA
* EXT. Vega launch – Arianespace, Kourou, French Guiana – 2016 - ESA
* EXT. Araine Space main facilitities – Kourou, French Guiana –May 2017- ESA
 | Ariane 6 will be the workhorse for Galileo while the upgraded Vega, Vega C will cover the deployment of the Sentinel satellites for the EU’s Copernicus programme. Vega C will increase Vega’s current capacity from 1.5t to 2.2t on polar orbit, which is the most common orbit for observation satellites. With both Ariane – and Vega C Europe will provide the same services as the current Ariane 5, Soyuz from CSG and Vega: able to launch, from its space port in French Guiana, any satellite on any orbit. But the launcher will be fully European! |
|  | **B-ROLL** |
| 10:03:44:24* ITW. Daniel Neuenschwander Director Space Transportation, ESA- unknown location – 23/05/2017 - ESA
 | **ITW Daniel Neuenschwander Director Space Transportation , ESA - ENGLISH*** Ariane 6 programme status
* The European preference
 |
| 10:05:37:07* ITW. Daniel Neuenschwander Director Space Transportation, ESA- unknown location – 23/05/2017 - ESA
 | **ITW Daniel Neuenschwander Director Space Transportation , ESA - FRENCH*** Ariane 6 programme status
* Ariane 6 Programme objectives
* Ariane 6 payloads
* VEGA C payloads
 |
| 10:09:03:00* EXT. CSG entrance aerial shots – Kourou, French Guiana –May 2017- ESA
 | **CSG entrance aerial shots** |
| 10:10:23:00* EXT. ELA 4 Ariane 6 future launchsite construction aerial shots – Kourou, French Guiana –May 2017- ESA
 | **ELA 4 Ariane 6 future launchsite construction aerial shots** |
| 10:12:53:08* EXT. ELA 4 Ariane 6 future launchsite construction – Kourou, French Guiana –May 2017- ESA
 | **ELA 4 Ariane 6 future launchsite construction** |
| 10:13:53:23* STILLS Ariane 6 Artist impression –May 2017- ESA
 | **STILLS Ariane 6 Artist impression** |
| 10:14:11:09* Animation Ariane 6 flight and launch –May 2017- ESA
 | **Animation Ariane 6 flight and launch** |
| 10:15:26:02* Animation Ariane 6 flight and launch –May 2017- ESA
 | **Animation Ariane 6 flight and launch** |
| 10:16:48:10 | **END** |