Ariane 6 a reality in Kourou

At Europe space port in French Guiana, Ariane 6 is now becoming a reality with the launch zone taking shape. Which is just as well, as there is no time to lose as the first launch of the future European launcher is planned for July 2020. For ESA and the European industry the stakes are high. The aim of Ariane 6 is to guarantee independent access to space for Europe at a competitive price and obtain a leading role in the international launcher market.

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| Image | Text |
| **10:00:00:00** | **TITLE: ARIANE 6 – A REALITY** |
| 10:00:10:00   * ANIMATION: Ariane 6 in flight – 2017 – ESA * EXT. Drone fly over of ELA4 site- Kourou, French Guiana – 2017 – ESA | July 16, 2020… this is the date currently set for the first launch of the new Ariane 6. For ESA and European industry the clock is ticking and 2.5 years appears like tomorrow when it comes to developing launchers and building infrastructure. However, in the green Amazon jungle of Kourou, Ariane 6 is already a reality: the future launch pad is already well under way and the infrastructure for Europe’s newest launcher is taking shape. |
| 10:00:38:19   * Ext. ELA4 site – Kourou, French Guiana – nov 2017 – ESA | **ITW Daniël Neuenschwander, director of space transportation - ESA**  *Of course it is a reality: we have Ariane 6 for competitivity, Ariane 6 for cooperation and Ariane 6 for growth! Here is the demonstration that European industries coming here to French Guiana, building with local industries the launch pad from where we will launch mid july 2020 the first Ariane 6.* |
| 10:00:58:03   * EXT. Drone images of ELA4 site- Kourou, French Guiana – 2017 – ESA * EXT. timelapse flame deflectors - Kourou, French Guiana – 2017 – ESA * EXT. Drone images of ELA4 site, launch tower construction - Kourou, French Guiana – 2017 – ESA * ANIMATION: Ariane 6 launch tower – 2017 – ESA * EXT. Drone images fly from Launchpad to launcher assembly building - Kourou, French Guiana – 2017 – ESA * EXT. Drone images of launcher assembly building - Kourou, French Guiana – 2017 – ESA | The most impressive part of the Ariane 6 launch site is the giant hole for the launch pad which is now finished. Also visible now are the flame deflectors that will be on each side of the hole. Construction has begun on the 90 metres high launch tower. This tower has to protect and shelter the rocket until a few hours before lift-off. Some 600 metres from the pad the future Batiment d’Assemblage Lanceur - the launcher assembly building – is being built. This is where the different stages of Ariane 6 will be assembled horizontally. This is a new approach as ESA’s previous launchers have always been assembled vertically. This change in method also reflects the changed role for ESA as regards Ariane 6. |
| 10:01:44:08   * Ext. ELA4 site – Kourou, French Guiana – nov 2017 – ESA | **ITW Daniël Neuenschwander, director of space transportation – ESA**  *ESA and its Member States have a new role in Ariane 6 in the sense that we changed governance by giving more responsibility to Industry, to the private sector while the public sector has defined the high level requirements. Which means that we said a cheaper launcher, we said we want an environmental friendly launcher, we want a flexible launcher and this is absolutely key in the current situation, to be ready to catch new markets and Ariane 6 will be the right response to that.* |
| 10:02:16:11   * Ext. work on ELA4 site – Kourou, French Guiana – nov 2017 – ESA * INT. Building of Ariane 6 Vince Booster – 2017 – ArianeGroup Holding * INT. testing of Ariane 6 Vince Booster – 2017 – ArianeGroup Holding * ANIMATION: Ariane 6 Launch – 2017 - ESA * ANIMATION: VEGA C launch- 2017- ESA * Ext. work on ELA4 site – Kourou, French Guiana – nov 2017 – ESA * EXT. Drone fly over of ELA4 site- Kourou, French Guiana – 2017 – ESA * ANIMATION: Ariane 6 in flight – 2017 – ESA | Today, in the jungle of Kourou, the sound of cranes and bulldozers can be heard, as builders are now working from early morning until late in the evening in an effort to finish the launch site in time. Meanwhile in Europe, the production of the launcher itself is due to start next year, with several tests of the new engines and boosters that have been developed for Ariane 6. However, Ariane 6 is not the only new launcher which ESA is building. There is also Vega C, the enhanced and more powerful version of the lightweight launcher Vega. Its first launch is planned for 2019. Despite the many challenges, the European space agency continues to go forward securing its new launcher family with Ariane 6 and Vega C. Thanks to ESA and industry, Europe will remain a space power with a guaranteed access to space. |
| **10:03:15:13** | **B-ROLL 001** |
| **10:06:31:01** | **B-ROLL 002**  **ITW Daniël Neuenschwander, director of space transportation – ESA –ENGLISH**   * Of course it is reality, have a look. I mean we have Ariane 6 for competitivity, Airane 6 for cooperation and Ariane 6 for growth. Here is a demonstration, with European industry coming here to French-Guiana, building with locale industry the launch pad from mid-july 2020 the first Ariane 6. * ESA and its member states have a new role in Ariane 6, in the sense that we change governance. Governance in the sense that we give more responsibility to industry, to the private sector. While the public sector has defined the high level requirements. Which means that we said, we want a cheaper launcher, we said we want an environmental friendly launcher, we want a flexible launcher and this absolutely key in the current situation. To be ready to catch new markets and Ariane 6 will be the right response to that. * It is very clear in the definition of a space power the independent access to space is part of it. Ariane 6 and Vega C is the new family the european independent access to space. * We can say that the european industries are working full speed ahead. We just had maturity gate 6, what we call, where we can consolidate the industrial structure. We aim at starting the first batch of production next year, spring next year. So now we can say, the industry is ready they are full speed ahead and we will start to produce Ariane 6 from next years onwards. |
| 10:08:23:02 | **B-ROLL 003**  **ITW Daniël Neuenschwander, director of space transportation – ESA –GERMAN**   * ARIANE 6 is a reality * ARIANE 6 and VEGA C Status * The role of ESA * The importance of independent access to space |
| 10:10:55:24 | **B-ROLL 004**  **ITW Daniël Neuenschwander, director of space transportation – ESA – French**   * ARIANE 6 is a reality * ARIANE 6 and VEGA C Status * The role of ESA   The importance of independent access to space |
| 10:13:38:23 | **B-ROLL 005**  **Footage of Daniël Neuenschwander, director of space transportation, ESA – at the ELA4 site** |
| 10:14:39:06  EXT/INT. Development and testing of Ariane 6 VINCI Booster – 2017 – ArianeGroup Holding | **B-ROLL 006**  **Development and testing of Ariane 6 VINCI Booster – 2017 – ArianeGroup Holding** |
| 10:15:38:03  EXT. Construction of the Ariane 6 Launchpad – Kourou, French Guiana – nov 2017 - ESA | **B-ROLL 007**  **Images of Construction of the Ariane 6 Launchpad** |
| 10:16:51:15  EXT. Aerial drone footage of construction of Ariane 6 Launchpad – Kourou, French Guiana – nov 2017 - ESA | **B-ROLL 008**  **Aerial drone footage of construction of Ariane 6 Launchpad** |
| **10:17:59:05** | **END** |