**SmallGEO A-Roll**

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| **Pictures** | **Voice Over/Interviewees** | **Time****Code** |
| Spacecraft separating from launcher & unfolding. | **VO**Meet SmallGEO…. the first of Europe’s new family of satellite platforms launched into geostationary orbit. | **10:00.14:17** |
| Spacecraft orbiting. | **VO**The European Space Agency developed SmallGEO to help Europe’s industries compete on the world stage and get a foothold in the fast-growing market of small, commercial satellites.  | **00.24** |
| Animation of spacecraft composition. | **VO**For this first in the series, ESA partnered with Spanish telecommunications operator, Hispasat in a new approach for speeding up access to space for advanced technologies. | **00.36** |
| **Caption:**Magali Vaissiere,Director of Telecommunications and Integrated Applications, ESA | **Interviewee***It’s indeed because Hispasat and ESA were able to join forces that we were able to develop a satellite with such a level of innovation. On the one hand a new platform with a new satellite prime contractor on the other hand a payload embarking a high level of innovation. Indeed, separately, neither Hispasat, nor ESA would have been able to develop such a complex development.*  | **00.48**  |
| Clean rooms.People wearing OHB outfits. | **VO**This partnership allows the German prime contractor for the spacecraft, newcomer OHB, to test the platform in space and position itself in the small group of European industries who make telecommunications satellites. | **01.17** |
| Animation of satellite in space.Close-Up of Redsat. | **VO**In Space, size counts. Small Geo is designed to carry payloads of around 300kg, in this case, Hispasat 36W1 with its innovative Redast payload, offering better signal quality and connectivity. It will provide faster multimedia services for Europe, the Canary Islands and South America. | **01.32** |
| Animation of spacecraft composition. | **VO**SmallGEO is modular, so it can be fitted out according to each customer’s needs, helping them keep up with continually changing TV, mobile and internet markets. The spacecraft is state-of-the-art and carries the very latest technologies on board. | **01.57** |
| **Caption:**Andrea Cotellessa,SmallGEO Platforms Programme Manager, ESA | **Interviewee***Very much today a trend is to go towards full electric satellites. This is a class of satellite that only have electric propulsion on board, which is a highly efficient system which allows achieving important mass savings. So, we are able to put in space a satellite with a similar capacity to a chemical one but with much lower mass which means less launcher cost and compatibility with more launch vehicles.* | **02.16** |
| **02.45**Generic rocket launch.SmallGEO in orbit. | **VO**With Small Geo, European industries have a better chance of competing with manufacturers worldwide, whilst developing services that benefit everyone in Europe.  |  |
| Film Ends |  | **10:02:57:09** |

**SmallGEO B-Roll**

**10:02:57:09**

Magali Vaissiere

Director of Telecommunications and Integrated Applications, ESA
English Soundbites

**10:04:44:10**

Magali Vaissiere

Director of Telecommunications & Integrated Applications, ESA
French soundbites

**10:06:30:16**

Andrea Cotellessa

SmallGEO Platforms Programme Manager, ESA

English Soundbites

**10:09:51:05**

GVs SmallGEO in cleanroom

ESTEC, Noordwijk, Netherlands

**10:10.48:18**

Exterior GVs ESTEC, Noordwijk, Netherlands

December 2016

**10:11.11:09**

Time-lapse photography of SmallGEO spacecraft preparation

**10:12.37:21**

Animations: SmallGEO launch and deployment

**10:13.38:19**

Animations: SmallGEO composition