

30th IAA SYMPOSIUM ON SPACE POLICY, REGULATIONS AND ECONOMICS (E3)  
Strategic Risk Management for successful space programmes (6)

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EARTHQUAKE DISASTER ON THE THALES ALENIA SPACE ESTABLISHMENT – L'AQUILA  
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**Abstract**

The TAS Alenia Space factory in L'Aquila – Italy was destroyed due to an earthquake on April 6th 2009. The earthquake had major implications on the production process of electronic equipment used for satellites and ground stations, thereby directly impacting the institutional and commercial customer projects contracted directly or indirectly to Thales Alenia Space – Italy. The presentation to be made to the Strategic Risk Management for Space Organisations and Industries committee will focus on the 4 main topics i.e.

- The risk management consideration related to natural disasters prior to the earthquake - The assessment of the consequences of the earthquake impact on the production facility - The immediate remedial actions undertaken in order to restore the production process and the support provided by the European Space Agency - The lessons learned and implemented for the risk management considerations inside Thales Alenia Space. With this presentation the focus will be given on a concrete example of the impact of a natural disaster on the risk management strategy of a company and also for its clients. The presentation will be made jointly by TAS and ESA by Messrs Enzo Giorgio and Mr Pieter van Beekhuizen respectively. The presentation will be made in the form of a power point presentation of approx. 15 minutes with 5 minutes for QA session.

Further supporting information is given below.

Relocation activities of Thales Alenia Space L'Aquila plant manufacturing lines started on April 2009, few days after the famous earthquake that struck the city. The first step was to put the plant building into a safe condition for access of manufacturing equipment technicians, in order to address the recovery of HW asap and later all other equipment possible. This operation was completed by the beginning of September 2009. Afterwards, the manufacturing equipment transfer from the Via Pile plant to the Rome site was started. This first step was run in parallel to the identification of a new temporary site in L'Aquila, that would become the intermediate relocation site. Relocation in temporary sites was managed with ESA ESTEC support Quality Team as well recovery and delivery of HW vs main external customers activated.

Main consequence of earthquake disaster on Thales Alenia Space business was immediate interruption of work due to unavailability of qualified lines and direct impact on space programs schedules and deliveries.