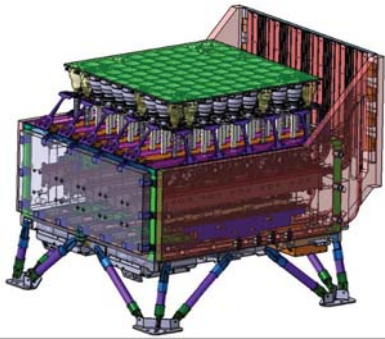



Activity Title:	Enhanced Active RX Antenna System		
Contract type	ARTES 5.2	Budget (k€)	750 K€
Company (-ies) <i>(including country)</i>	EADS CASA ESPACIO SPAIN		
Team <i>(name of the participants in the project)</i>	Antonio MONTESANO Luis DE LA FUENTE Silvia ARENAS Miguel BUSTAMANTE David PEÑA Francisco CASARES Ignacio HERRERA Eduardo GONZALEZ		
(*) Speaker (s)	Antonio MONTESANO	Email	Antonio.Montesano@airbus.com
Short Speaker Information <i>(experience and involvement in this project – maximum 60 words)</i>	Working in space antennas for the last 25 years in AIRBUS DS, both passive and active, leading arrays activities in UHF, L, C, X, Ku and Ka bands, in ESA and commercial programs such as ASAR of ENVISAT, ROSETA, NASA MARS ROVER MSL, GALILEO, GAIA, IRMA or ELSA, this last 3 active antennas.		
Summary of the activity <i>(maximum 400 words and 2 pictures)</i>	<p>Based on the heritage of ELSA antenna developed under the frame of ESA AG1 contract, an enhanced system has been demanded by the customers including enhanced performances. The evolution deals with the improvement from single pol to dual pol, increased band from 250MHz to 2050MHz, inclusion of geolocation and beam Hopping. The activity includes the development and prototyping of the sub-assemblies considered critical, and the system level analysis based on the developed units, both accommodation and performances.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>		

(*) The speaker needs to do the registration through this website