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Vortragstitel	Lightweight Construction of an Antenna Box for the Cubesat Satellite "MOVE"
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Abstract	<p>This paper describes the development and construction of two integrated storage devices for the deployable antennas of the picosatellite MOVE (Munich Orbit Verification Experiment). This CubeSat is currently being developed at the Institute of Astronautics at the Technical University of Munich. The Antenna Boxes shall help to store and protect MOVE's Nitinol antennas safely during the launch of the satellite until the deployment of the solar panels in orbit. The 'containers' are the most complex CFRP parts of the entire satellite. They are produced in several manufacturing steps and weigh only 7 g per piece. The development focus of this work is on the following aspects: weight, size, integration of the antennas into the Antenna Box and the mechanical interface of the Antenna Box to the main-frame of the satellite and the used material for the box.</p>