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## **GMV's SMARTRINGS 2.0: ADVANCED SOLUTIONS FOR TELECOMMUNICATIONS SATELLITE PAYLOAD RECONFIGURATION**

*SmartRings 2.0 Optimizes Payload Reconfiguration to minimize Impact to  
Satellite Customers and Maximize Satellite Payload Usage*

**ROCKVILLE, Md.** – GMV ([www.gmv.com](http://www.gmv.com)), a privately-held satellite ground segment software company located in Rockville, Md. and Madrid, Spain, has launched SmartRings 2.0, the latest version of its telecommunications satellite payload reconfiguration tool, SmartRings. A trail copy of the software is available at <http://www.smart-rings.com/> .

SmartRings is the leading solution for the reconfiguration management of telecommunication satellite payloads. Engineers can use it during the payload reconfiguration process for changes in the transmission plan, or in response to component failures, and service interruptions. SmartRings features a powerful configuration search algorithm capable of providing dozens of solutions in seconds, and a superb visualization engine. The entire payload can be efficiently and cleanly managed, and the operator has quick and easy access to most payload data, as well as the signal quality parameters.

"GMV has built upon its experience in payload monitoring and control SW to design and develop an improved software solution to increase efficiencies for the routing of payload data on telecommunications satellites," said Theresa Beech, managing director and vice president of business development of GMV Space Systems. Satellite operators can now receive all possible payload reconfigurations in a few seconds, and chose the optimal one as opposed to doing a manual reconfiguration. "We have significantly sped up the reconfiguration process, which allows operators to quickly diagnose the problem and implement a solution safely and quickly."

The speed of the payload reconfiguration and the number of solutions provided can be particularly critical during component failures, when revenue may be lost due to payload components' downtime. SmartRings 2.0 provides operators with all possible paths through the hundreds of payload components and thousands of payload connections. It can significantly reduce the time the spacecraft is out of operation and the potential for human error. The shorter the time period the payload is "down," the more quickly the satellite operator can recover, saving valuable time, money and frustration for the satellite operator and end-users.

"This solution is very innovative. SmartRings 2.0 is the leading product in the world performing the monitoring, control and reconfiguration of payloads for telecommunications spacecrafts," said Beech. GMV customers using SmartRings include two of the largest commercial operators in the world operating more than 70 spacecraft between them, as well as a number of smaller regional operators.

### **About GMV:**

GMV is one of the leading suppliers of satellite ground system software in the world, and is the global leader in satellite flight dynamics for all types of satellite missions (LEO, MEO, GEO, HEEO and interplanetary). GMV has been providing satellite ground system software to satellite manufacturers, commercial operators, and Space Institutions around the world for over 22 years. There are currently more than 75 satellites being operated from five continents and 18 countries with GMV's operational software. GMV's U.S. headquarters are in Rockville, Md and its European headquarters are in Madrid, Spain. More information about GMV and its products can be found at [www.gmv.com](http://www.gmv.com).

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