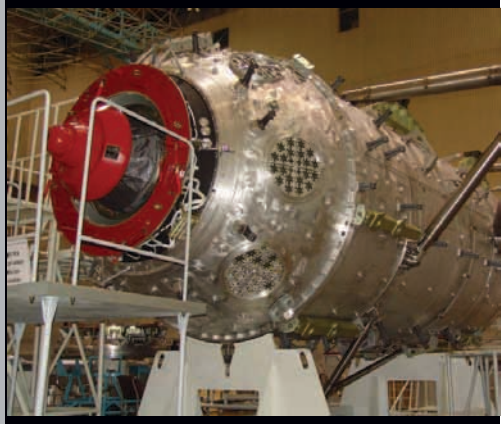
Mini-Research Module (MRM) 1 Rassvet (Dawn)

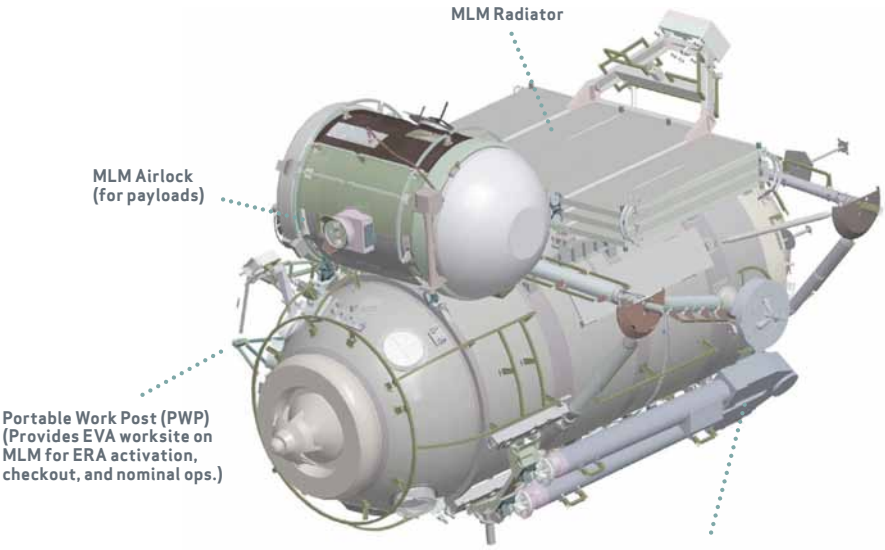
Russian Federal Space Agency (Roscosmos)/S.P. Korolev Rocket and Space Corporation Energia (RSC Energia)

Rassvet, also known as the MRM1, will be primarily used for cargo storage and some payload operations. The nadir docking system on Rassvet provides the fourth docking port on the ISS Russian Segment for the docking of Soyuz and Progress logistics vehicles. It was built from the pressurized hull of the Science Power Platform (SPP) dynamic test article. Moreover, the exterior of Rassvet will carry a spare elbow joint for the European Robotic Arm and outfitting equipment for the Russian Multi-Purpose Laboratory Module (MLM), including a radiator, an airlock for payloads, and a Portable Work Post (PWP) that will provide a EVA worksite for ERA activation, checkout, and nominal operations.

MRM1 Flight Article is manufactured from the Science Power Platform (SPP) Dynamic Test Article.



MRM1 Flight Article being assembled.



Airlock, radiator, and PWP will be stored on MRM1 until MLM docks to ISS (Currently planned for 2012.)

Length	6.0 m (19.7 ft)
Maximum diameter	2.35 m (7.7 ft)
Mass	5,075 kg (11,188 lb)
Volume	17.4 m^3 (614 ft^3)
Launch date	NET May 2010, on STS-132, ISS mission ULF4