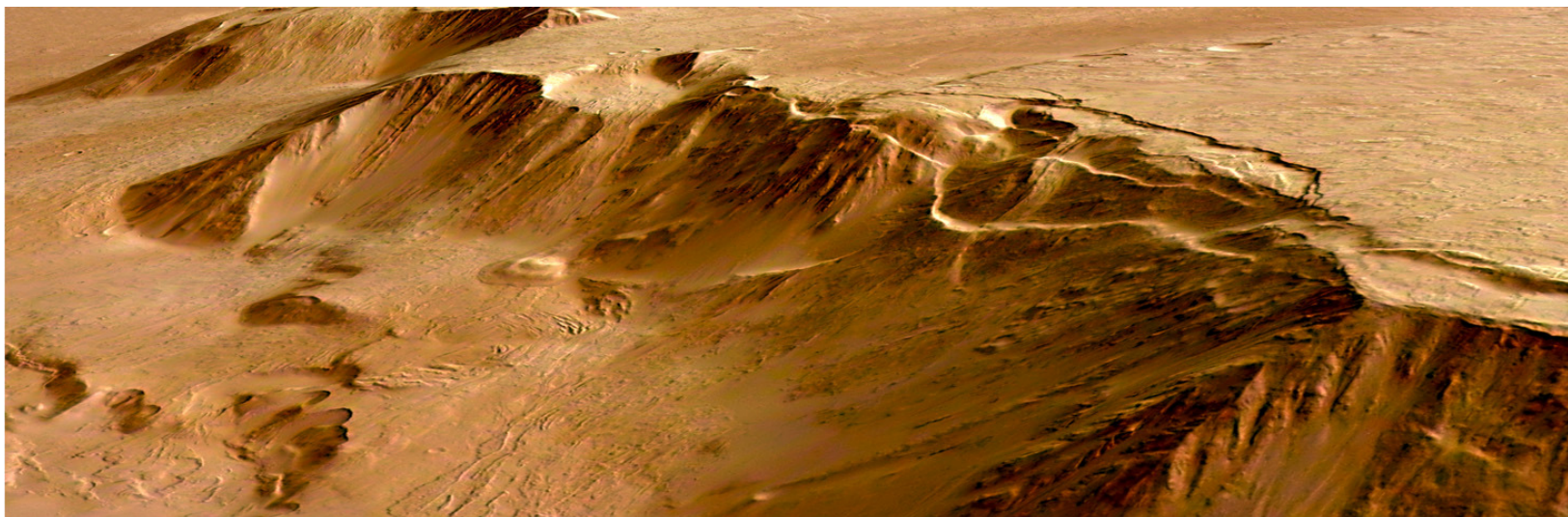




ExoMars Industrial Day

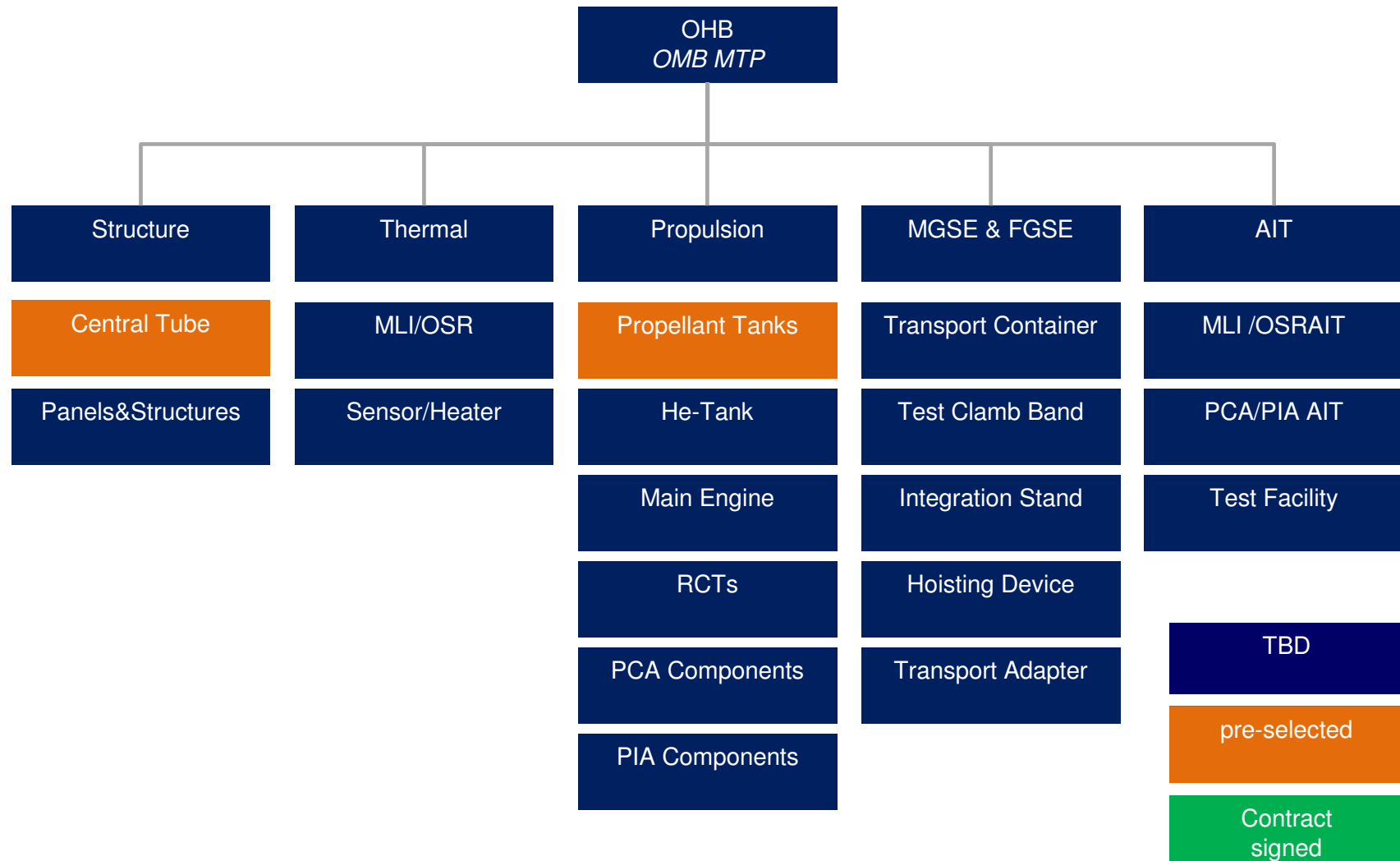
Torino, 23.09.2010

EXM-OM-OHB-PRS-0003

Overview

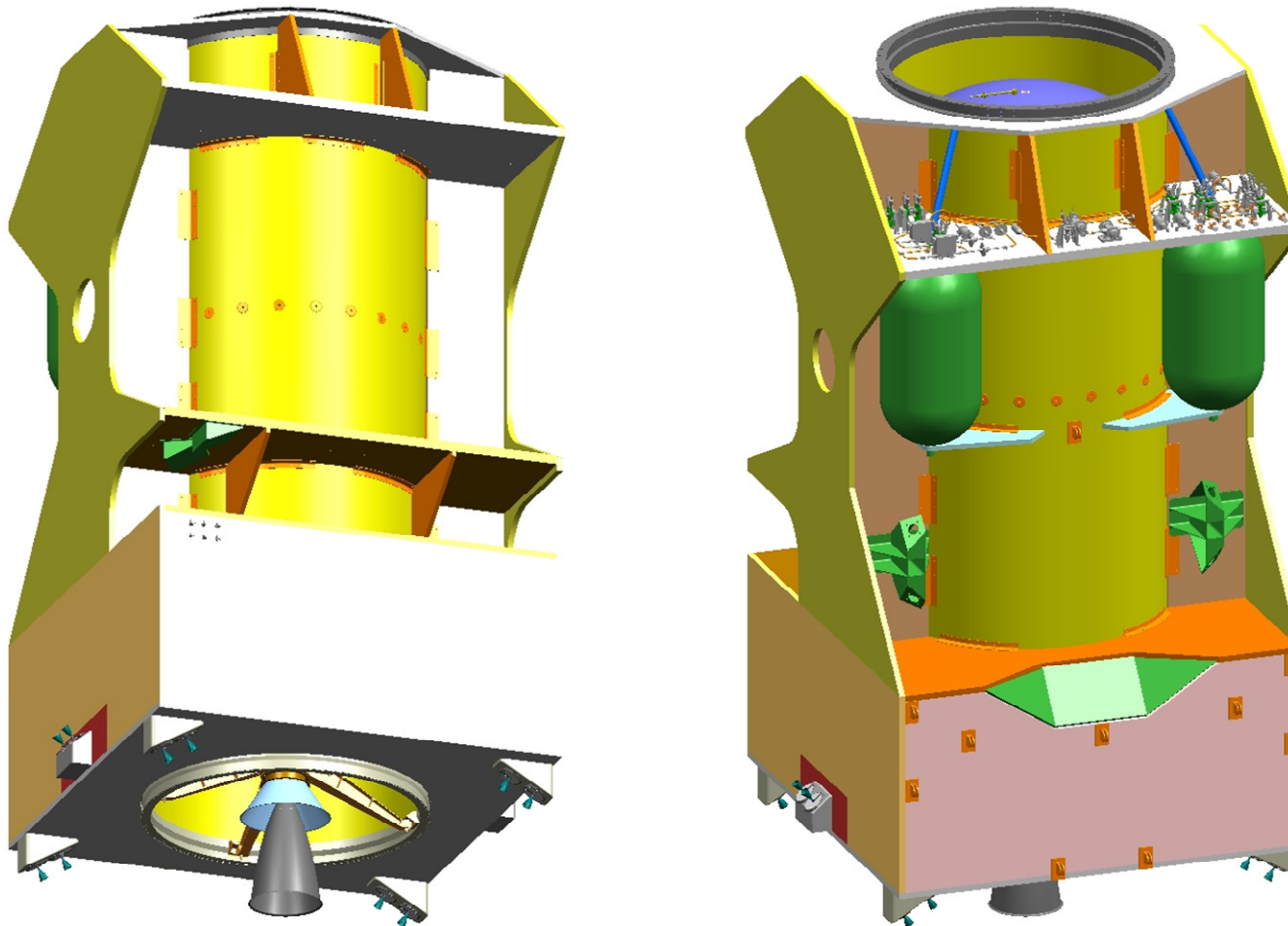
- OMB MTP Overview
- OMB MTP and OMB MGSE Procurements

OMB MTP Supplier Status

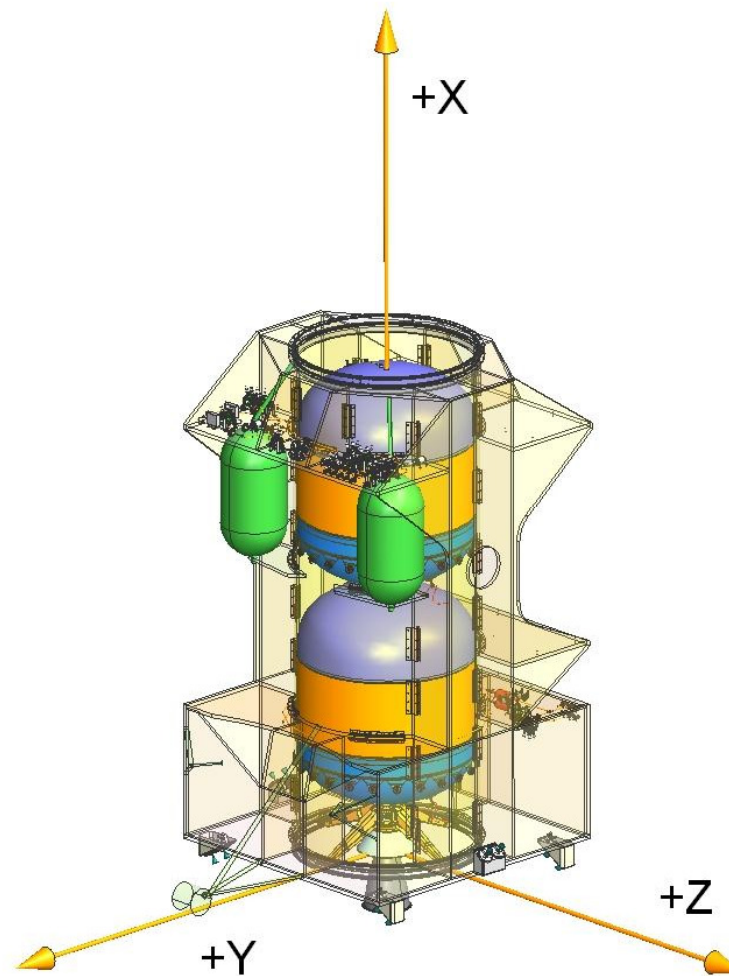


ExoMars – Orbiter Module Bus

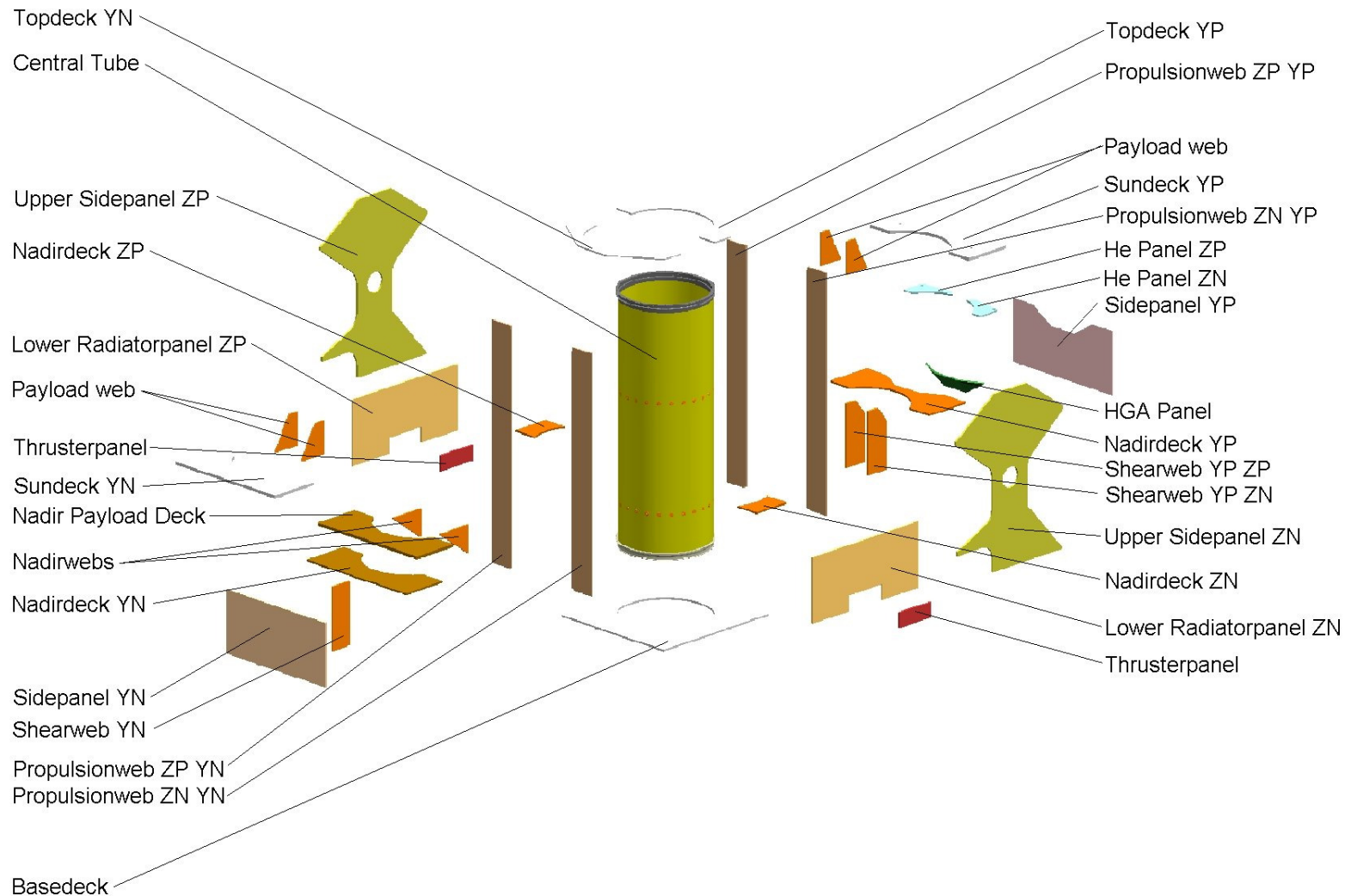
Structure and Propulsion System



Propulsion System



Structure – Exploded View



ITTs for the OMB MTP

- MLI/OSR including application
 - Planned date for ITT July 2011
 - Objective: Use of OTS MLU and OSR
 - Several batches, application on various integration sites included
- Structure Panels
 - Planned date for ITT June 2011
 - Objective: No qualification activates required
 - Several batches, flexibility for changes required
- He-Tank
 - Planned date for ITT December 2010
 - Objective: Use of OTS tank

RFQs for OMB MTP

- OMB MTP policy is to use existing qualified products. RFQs will be placed for:
 - Main Engine
 - Planned date for RFQ March 2011
 - Reaction Control Thruster
 - Planned date for RFQ March 2011

Purchase orders for OMB MTP March-May 2011.

- Fill and drain valve
- Helium Pressure transducer
- Pyrotechnic valve
- Pressurant filter Pressure regulator
- Check valve
- (Gas low pressure) latch valve and (Helium high pressure) latch valve
- Propellant Pressure transducer
- Propellant filter
- (Propellant) latch valve
- PCA/ PIA MAIT
- Thermal hardware (sensors and heater)

ITTS and POs for the MGSE

- OMB Transport & Storage Container
 - Planned date for ITT July 2011
 - Objective: Transport Container for OMB including Payloads, horizontal transportation, including mass dummies for qualification tests
- OMB Handling & Test Clamp Band
 - Planned date for ITT August 2011
- Purchase Order of MGSE are planned in July 2011. These are:
 - Integration Stand
 - Hoisting Devices
 - Transport Adapter