



Bridging Science & Applications
From Earth to Space – and back

Earth
Space
&
Future

Kayser-Threde GmbH

Space

Industrial Applications

Potential Application of Future TET Satellites

Dr. Peter Hofmann

Kayser-Threde, Munich, July 6th, 2010

Technology Experiment Carrier (TET) – “Future Strategy” Potential Applications

On Orbit Verification Programme:

- Modular Payload Supply System newly developed and easily adaptable missions.
- Open satellite structure allows for flexible payload accommodation.
- RFI in Germany under discussion

Further applications: TET is designed to be the starting point of a series of 90 – 150 kg microsattelites (altitude 450-850km) for multipurpose use like:

- Further IOD-activities and missions → alternative to PROBA mission
- Robotic missions → possible use as target satellite (Small satellite) for DEOS mission

Technology Experiment Carrier (TET) – “Future Strategy” Potential Applications

- Earth observation
 - PARIS mission (Feasibility Study with ESA using TET Platform)
 - Next Generation EO missions and constellations

- Science Applications

- Space Situation Awareness (including space weather)

- Commercial use → AUSBIRD mission (Fire Detection System), Rapid Eye Follow-on constellation