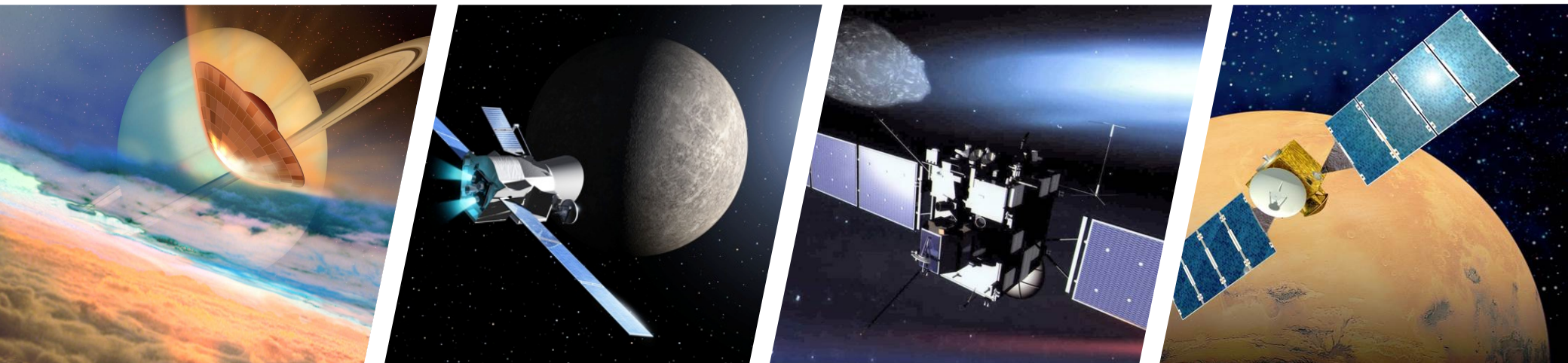


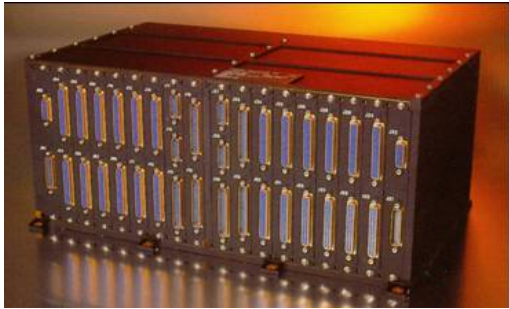
Rumfartsmissioner, med Dansk Elektronik i Maskinrummet

Hans Jensen

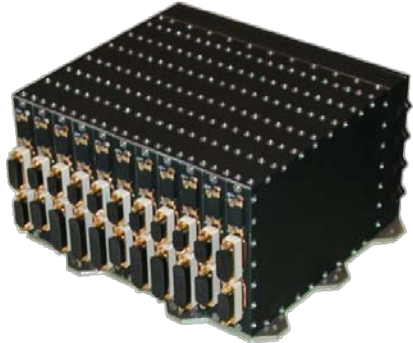
Senior Engineer, Terma Space



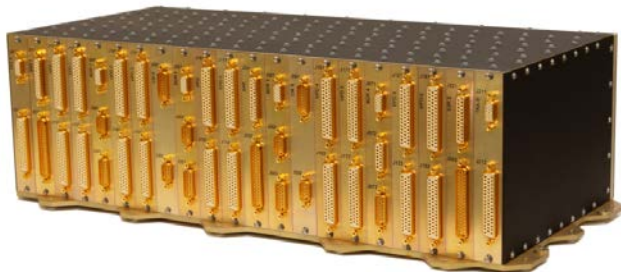
Power System Units Flight Record



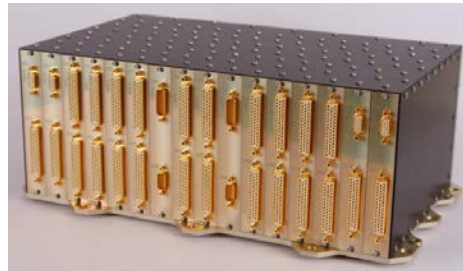
XMM / Integral PDU



Rosetta / Mars Express,
Venus Express PCU



Galileo PCDU



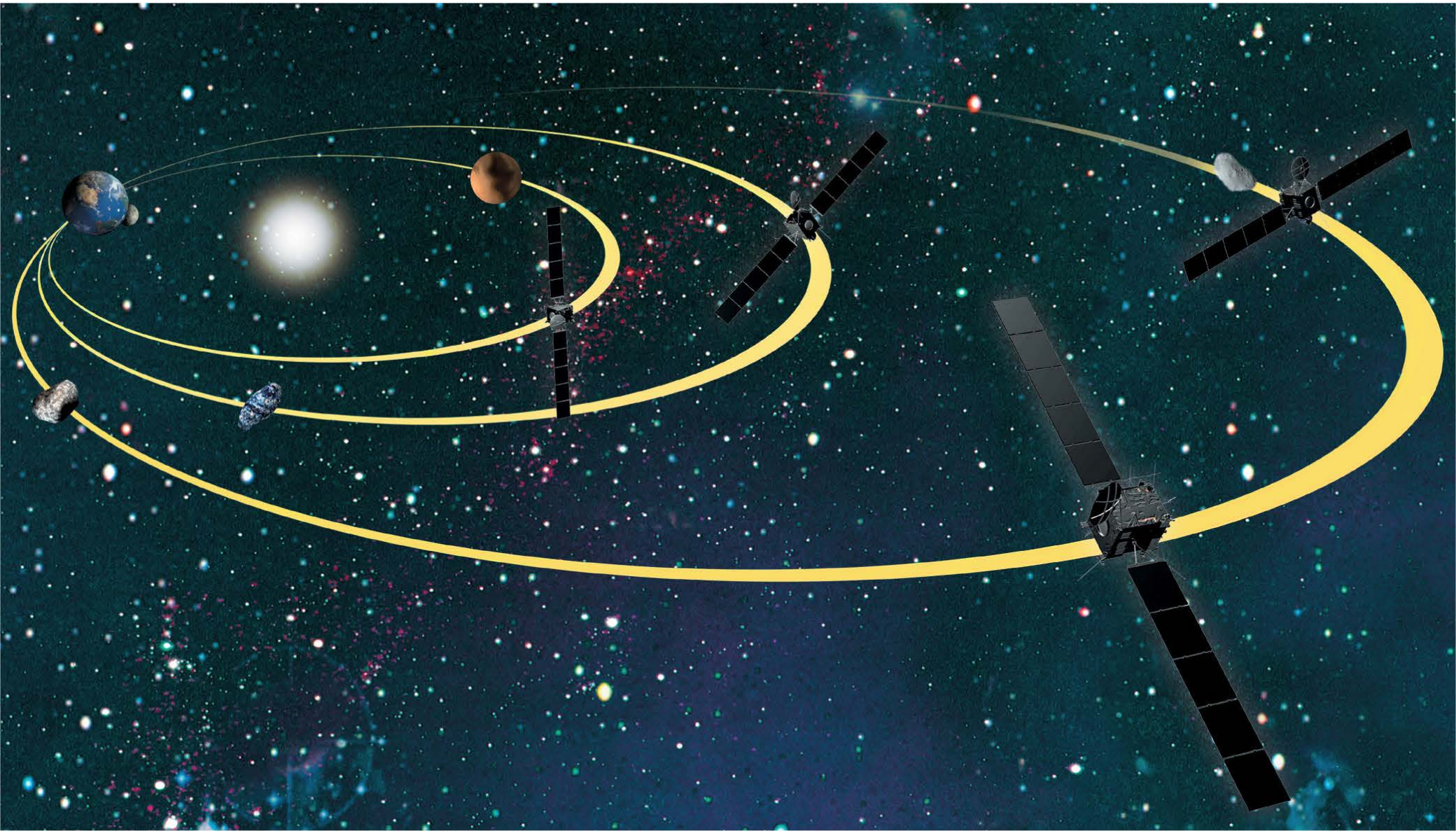
Small Geo PDU



BepiColombo PCDU

| Mission | Launch | Equipment | Features |
|----------------|-------------|-------------|---------------------------------|
| XMM-Newton | 1999 | PDU | 28V, 200 switches |
| INTEGRAL | 2002 | PDU | 28V, 200 switches |
| Mars Express | 2003 | PCU | 28V, auto. MPPT |
| Rosetta | 2004 | PCU | 28V, auto. MPPT |
| Venus Express | 2005 | PCU | 28V, auto. MPPT |
| Galileo | 2011 | PCDU (4) | 50V, shunt, BM, 200 sw. |
| ExoMars | 2016 | RTPU | 28V, 73 sw. 130 A/D I/F. |
| Small Geo | 2017 | PDU | 50V, 160 sw., 70 pyro/tk. |
| BepiColombo | 2017 | PCDU | 100V, 14 kW, MPPT, 28V |
| Eu:CROPIS | 2017 | PCDU | 28V, 500W, MPPT, 48 sw. |
| Euclid | 2020 | PCDU | 28V, 2300W, shunt, 120 sw. |
| SARah | 2019 | PCDU | 100V, 12 kW, shunt, 28V |

The Rosetta Mission



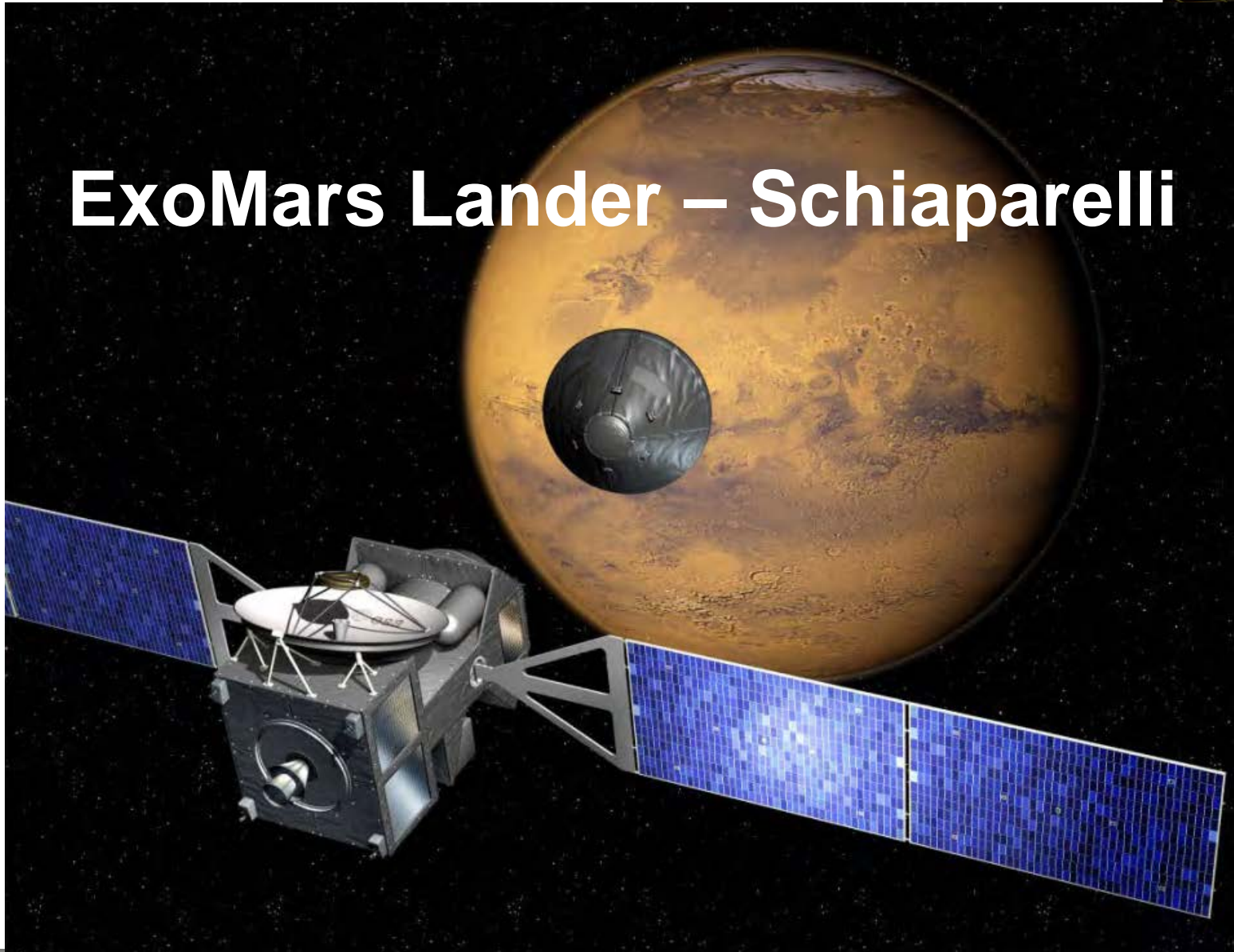
Rosetta Foredragets Sider



- **De anvendte sider er ikke inkluderet da de er en del af et foredrag om Rosetta missionen som tilbydes**
- **Se sidste side for kontakt information**



ExoMars Lander – Schiaparelli



ExoMars Foredragets Sider



- De anvendte sider er ikke inkluderet da de er en del af et foredrag om ExoMars missionen som tilbydes
- Se sidste side for kontakt information

End of Presentation



Questions or more information, please contact:

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At present operating electronics on-board:

- Ulysses
- Cassini / Huygens
- Ørsted
- SAC-C
- XMM
- Integral
- Mars Express
- Rosetta
- Venus Express
- MiTEx
- TacSat-2
- CryoSat-2
- 4 x Galileo
- ExoMars
- Small Geo

