

Name:	Rudolf Fries
Birth date / place:	23 August 1957, Nördlingen, Germany
Citizenship:	German
Qualification:	Diploma in Physics 1987 (Technical University of Munich)
Languages:	German, English
Current Post:	Freelance Consultant (Manned Spaceflight: System Engineering, Integration and Test, Project Management, Ground Operations, Training, Product Assurance)
Industrial experience:	
1998 –	Freelance Consultant with various activities: <ul style="list-style-type: none"> ◆ Project planning and controlling, documentation for DLR RB-KOB (2010 – ◆ Documentation support for the PK4 Project (Kayser Threde, 2012, 2014) ◆ Simulation of the power supply of Lunar Lander (Kayser Threde, 2010 – 2011) ◆ Payload simulation for the TET project (DLR/Kayser Threde, 2008 – 2010) ◆ Operational Validation of the Columbus Control Centre (DLR, 2005 – 2010) ◆ Design, Development, Integration and Test of the ETD Repair Kit; development of related crew procedure (Kayser Threde, 2007) ◆ Training of Flight Control Team members at the Columbus Control Centre (2005) ◆ Integration and Test of the Flight Spare of the 3D-Eye Tracking Instrument with Kayser Threde (2005 – 2006) ◆ System Engineering for the PK3+ Project with Kayser Threde (2004 – 2005) ◆ System Engineering, Design and Development, Integration and Test planning, support of RfQs for the Columbus Control Centre Project at DLR (2000 - 2004) ◆ System Engineering, Verification and Test for the 3D-Eye Tracking Instrument for the HRF with Kayser Threde (1998 - 2003) ◆ Test Director for the Environmental Tests of the Rosetta Lander Structural Model (DLR, 1999) ◆ Translation of Patents from English into German (1999 – 2003)
1987 - 1998	PANKOSMOS GmbH, Munich, Germany (from 1987 to 1992: PANARES GmbH) <ul style="list-style-type: none"> ◆ Business Director of the business unit "Tele-medicine" (1997-1998) ◆ Project management for Hardware- and Software projects: PANKOSMOS share of: European Physiology Module for Columbus, Fluid Science Lab for Columbus, Dedicated Experiment Facility for Columbus, MGSE for the Polar Platform; Several Subsystems of MEDEX ◆ Preparation of proposals including specifications, schedules and cost planning ◆ Mission support (MIR92, D2, MIR97) ◆ Integration and Test of Hardware and Software (BPMS and TUBA for Anthrorack, BDC Models of Anthrorack, VESTA for Juno and MIR 92, MEDEX for MIR97) ◆ Design and Development (mechanical structures, MMI, Specifications, Analyses for the a.m. Hardware and Software) ◆ Requirements Engineering and Interface to Scientific Community for the a.m. Hardware and Software ◆ Studies for Columbus and ISS (APM, MTFE, Hermes, etc.) ◆ Scientific publications and presentations
1983 - 1985	Software Development (in FORTRAN) at the Institute for Data Processing (Technical University of Munich)
Other activities:	
1990 - 2000	Scientific consultant for the translation of various books (fiction and popular science) from English into German (different publishers)
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