



Polarsys Industry Working Group

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The Polarsys Mission

- Collaboratively define, build and maintain OS tools for safety critical environments
- TRL > 8 (mission ready)
- Comply with safety standards (e.g., DO-178)
- Continuous open innovation
- Very long term support (40+ years)

History

- Topcased project 2004 - 2009
(<http://topcased.org>)
- OPEES project 2009 - 2012
(<http://opees.org>)
- Polarsys industry working group announced
Nov. 2, 2011 (<http://polarsys.org>)

Current and Short Term Activities

- Finalize Charter
- Finalize IWG Membership Agreement
- Membership Recruitment
- Define Steering Committee
- Elect Chair

Relation to other IWGs

- Automotive: Safety critical standards, qualification packages
- Automotive: Mutual interest in various projects - RMF, Modeling platform projects
- LTS: Very long term support is a crucial function for Polarsys

Member Pipeline (Short)

- Upper Tier: Airbus, Thales, CNES, Astrium, Ericsson, Obeo
- Lower Tiers: itemis, intecs, Atos, CEA, Soyatec, ESI, Fraunhofer, Squoring, CS Communication & Systems, INRIA, Combitec

Issues/Challenges

- Creation of documents took very long
- Membership recruitment very slow (see above)
- Technical work
- very slow
- Future development funding structure needs to be clarified
- Current project manager funding ends with OPEES project in 12/2012

Resources

- IWG Wiki - <http://wiki.eclipse.org/Polarsys>
- Mailing List - <https://dev.eclipse.org/mailman/listinfo/polarsys-iwg>
- Charter - <http://wiki.eclipse.org/Polarsys/Charter>
- Polarsys Presentation - http://wiki.eclipse.org/images/f/f9/Polarsys-Presentation_ERTSS-final.pdf