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OpenMBEE is a community of Engineering Practitioners and Software Developers that seek to use Open Source as a means to expand the availability of Engineering Models and Software that connect technical information in a collaborative platform.

## APPLICATIONS

COMODO has been used for the ESO Very Large Telescope, the Very Large Telescope Interferometer, and the Extremely Large Telescope (ELT) control systems, generating production quality applications.

MMS, VE, and the MDKs have been used for JPL flight projects such as Mars2020, Europa Clipper, Europa Lander, Mars Sample Return, and Asteroid Redirect Retrieval Mission, creating and maintaining hundreds of engineering documents from models with millions of elements.

The Thirty Meter Telescope Observatory has been using MMS, VE, and MDKs for creating engineering documentation from executable SysML models.

Boeing uses MMS, and MDKs for its MBSE platform in commercial aircraft.

## PLANNED FEATURES

- + MMS5 - MMS moves to a graph native architecture with version controls and support for SysML2, OSCL, GraphQL and Model Extension Services for custom APIs.
- + VE4/Docweb2 - Embedding VE functionality in web-based document platforms such as confluence, manage document generation pipelines, navigation and search.
- + COMODO - updated to support Quantum Framework
- + OpenSE Cookbook - Updated to SysML2 in Jupyter Notebook

# PROJECT NEEDS

Ways to provide cyber security certifications

Help developing the SysML2 Language with integrations to python and jupyter



For more information on OpenMBEE, including our governance structure and project roadmap, please visit:

<https://www.openmbee.org/>

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