

2024x Version News

Cameo Safety and Reliability Analyzer

Released on: November 10, 2023

In this release, the Cameo Safety and Reliability Analyzer introduces a new plugin: [Systems Cybersecurity Designer](#). The Systems Cybersecurity Designer plugin enables security assessments on systems architecture as per ISO 21434:2021.

Systems Cybersecurity Designer

Cybersecurity engineering is a critical discipline that ensures safe and secure human experiences using cyber physical systems. The main challenge is to preserve trust for connected cyber systems in an evolving digital economy increasingly threatened by unpredictable events. The [Systems Cybersecurity Designer](#) supports the [ISO/SAE 21434 standard](#). It enables a proactive and continuous security assessment in the initial design phase to reduce product development costs and time. Systems cybersecurity designers are able to create a Threat Analysis and Risk Assessment (TARA) project template to comply with the ISO/SAE 21434:2021. The Systems Cybersecurity Designer is based in [SysML](#) and [RAAML](#).

The Systems Cybersecurity Designer allows a cybersecurity designer to:

- Design a safe and secure system through a built-in scalable cyber system model, which includes assets, weaknesses, threats, attack paths, and security requirements.
- Perform continuous threat assessments and hazard analyses to enhance design through real world scenarios.
- Support certification needs with consistent safety and cybersecurity compliance views.

