



ELISA

Enabling **Linux** in
Safety Applications

ELISA Workshop London, UK

June 9-11, 2026

Co-hosted with Canonical



AI-Based Tooling

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AI-based Tooling - Introduction



Using Artificial Intelligence (AI) brings value

- Process a lot of data in a short amount of time
- Allows automation
- Examples:
 - Identify the intended function of existing code to write associated requirements
 - Generate tests out of natural language description
 - ...

But ...

- Can the AI tool be "Qualified" to get Certification Credit without human implication?
- AI results are always an approximation (probabilistic) and not deterministic ... not really fitting the determinism/predictability of Qualification Processes
- Other concerns:
 - How has the AI been trained?
 - Is it possible to evaluate the potential number of False-Positive and False-Negative?
 - Can the AI decision path be explained?



Until the qualification standard is updated, we need a human in the loop