INTELLIGENT &
CYBER-PROTECTED
SAFETY-CRITICAL
SYSTEMS

CS GROUP

CS Canada Snapshot

Trusted Engineering Capability

> Turn-key supplier of majors OEMs, T1 and T2 of the Automotive, Aerospace and Defence industries.

> 150 Engineers in North America specialized in critical software development, testing and certification.

Functional Safety Office

> ISO 26262 TÜV-SÜD certified functional safety experts with 10+ years experience in the industry.

Advanced R&D programs

> Research Consortium

Involment in international R&D programs (DEEL, IVVES) to define V&V techniques to make artificial intellignce algorithms certifiable.

> ATLAS

Based on the latest ML and NLP techniques, this tool analyses textual requirements and auto-generates tests scripts, saving up to 30% of the verification costs.
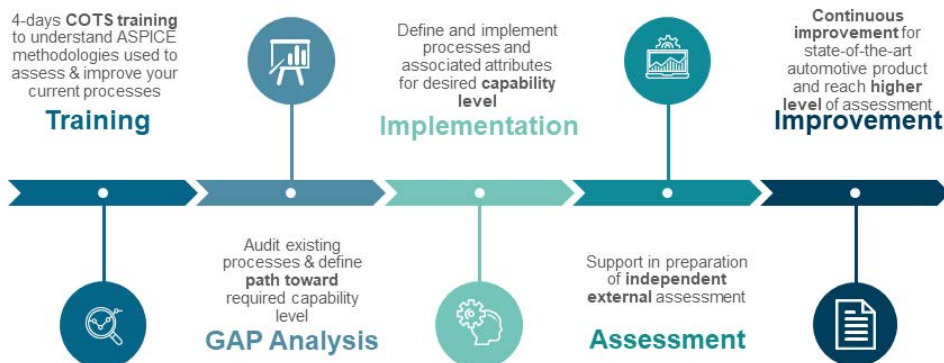
WE ACCELERATE ASPICE ADOPTION & PRODUCT COMMERCIALISATION

ASPICE Context & Challenges

Automotive Software Performance Improvement and Capability dEtermination (ASPICE) was created to provide a framework for defining, implementing, and evaluating the process required for system development focused on software parts. Major OEMs have adopted this standard internally to improve product quality and reliability but also to assess their suppliers.

For a supplier, achieving ASPICE can seem to be a difficult task to be managed. CS Canada has developped a proprieatary methodology to accelerate ASPICE adoption.

Customer Journey

4-days **COTS training** to understand ASPICE methodologies used to assess & improve your current processes
Training

Audit existing processes & define **path toward** required capability level
GAP Analysis

Define and implement processes and associated attributes for desired **capability level**
Implementation

Support in preparation of **independent external** assessment
Assessment

Continuous improvement for state-of-the-art automotive product and reach **higher level** of assessment
Improvement

CS Canada Offering

> **Training**: COTS or personalized sessions to jump start on the norm
> **GAP Analysis**: Audit existing products and processes & indentify path toward compliance
> **Implementation**: Leverage what you have and use CS proprietary IP to fill processes or documentations gaps
> **Assessment**: Prepare your teams for the external assessment with dry run or presentation support.

WHY CONSIDER CS ?

We have 20 years of experience with the highest and most demanding level of critical systems in the aerospace industry (DO-178C DAL A certification). For 7 years, we have been successfully leveraging our core safety critical expertise to the unique challenges of ADAS and autonomous driving. We are delivering the highest level of services to largest Automotive OEMs and system makers.

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