

Phaedrus Systems

Safety Critical and High reliability Embedded systems tools

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Phaedrus Systems

Embedded safety-critical
and
High-integrity systems



Phaedrus Systems

Tools

Services

Publications

Professionalism



Key tools

Requirements capture

IEC 61508, EN 50128 (Rail)
and nuclear applications

SIL3 RTOS

Compiler validation reports

Other tools

Code checkers

Static and dynamic analysers

Unit testing

USB and TCP/IP stacks

Development kits

Debuggers

ICE (Emulators)

Services

Consultancy
Process Audits
Code Audits
Coding Standards
Contract Staff

Standards experience

Active in:

ISO C and ISO C++

ISO High Integrity Group

IEC 61508-3 Functional Safety

MISRA-C:2004 (a principal author)

MISRA-C:2010

MISRA-Languages Team (Chair)

Experience

Hardware

Experience in both analogue & digital domains
Valves to CMOS

Software

Wide range of languages and applications

Management

Leading technical teams and projects

Military systems

Air and ground based – in field & in development

Experimental systems

In safety critical industrial control

Principals (1)

Ashware (simulators)
Byte Craft (compilers)
Cleanscape (GUI tool)
Code Warrior (compilers)
Cogent (dev kits)
Cosmic Software (compilers)
Crossware (compilers)
Embednet (IR stacks)
Gimpel (static analysers)
Ingenia (dev kits)

Principals (2)

IAR (compilers, dev kits, debuggers and CASE tools)

InHand (dev kits)

Keil (compilers)

Programming Research (static analysis)

pure-systems (variant management)

RiskCATS (requirements capture)

Ristan (code analysis and documentation generator)

Sciopta (RTOS)

Segger (RTOS)

VectorCAST (unit test for C, C++ and ADA)

Professionalism

Working on safety critical or high-integrity embedded systems?

Phaedrus Systems can provide you with
The right tools.

And if we don't have the right one we will guide you to an alternative source.



Phaedrus Systems

Safety Critical and High Reliability Embedded Systems Tools

