Safe & Secure

Experts in complex and critical systems

Dedicated Systems

HELPING PEOPLE BUILD SOFTWARE THAT MATTERS

AdaCore

GNAT PRO

Robust and flexible Ada, C and C++ development environment. It comprises a toolchain based on GNU GCC, an Integrated Development Environment, and a comprehensive toolsuite including debugger, libraries, bindings and tools.

SPARK PRO

Formally analysable subset of Ada 2012 and toolset that brings mathematics-based confidence to software verification. Define and automatically verify software architectural requirements and guarantee a wide range of software integrity properties.

GNAT DYNAMIC ANALYSIS SUITE

The GNAT Dynamic Analysis Suite provides developers with a set of powerful analysis and coverage tools for Ada. Available as an add-on to GNAT Pro, the tool suite can be used with all versions of Ada and SPARK.

GNAT STATIC ANALYSIS SUITE
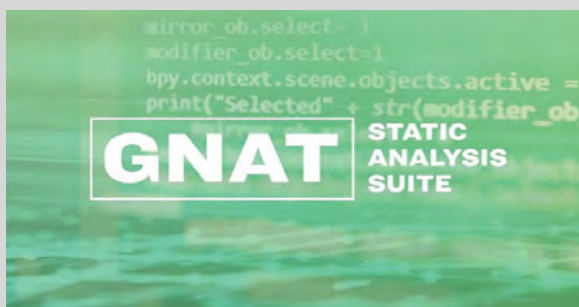
The GNAT Static Analysis Suite allows you to automatically scan for known security vulnerabilities, allowing you to concentrate manual code review of the most complex problems.

RECORDFLUX Secure Protocols

Enhance the development and security of binary communication protocols using a Domain Specific Language (DSL) to precisely describe complex binary data formats. Includes a toolset to formally verify specifications and generate provable SPARK code that can be executed on the target CPU.

SOFTWARE-ASSURANCE TOOLS AND ADVANCED CYBER SECURITY

CS CODESECURE

CODESonar CODESECURE

CodeSonar empowers teams to quickly analyse and validate the code - source and/or binary - identifying serious vulnerabilities or bugs that cause system failures, poor reliability, system breaches, or unsafe conditions.

CODESentry CODESECURE

CodeSentry is a leading Binary Software Composition Analysis (SCA) solution for gaining component inventory and insights into vulnerabilities and software risk, generating SBOMs, supporting Vulnerability Disclosures and responding to Software Supply Chain Security (SSCS) risks.

RAPITA Systems
A DANLAW Company

SOFTWARE VERIFICATION SOLUTIONS
FOR CRITICAL AEROSPACE & AUTOMOTIVE SYSTEMS

RapiTest

Reduces the time taken to write software tests and integrates with continuous build environments. RapiTest lets you run tests on-target automatically.

RapiTime

Perform in-depth execution time analysis permitting the calculation of worst case execution times and identifying focus areas for optimisation.
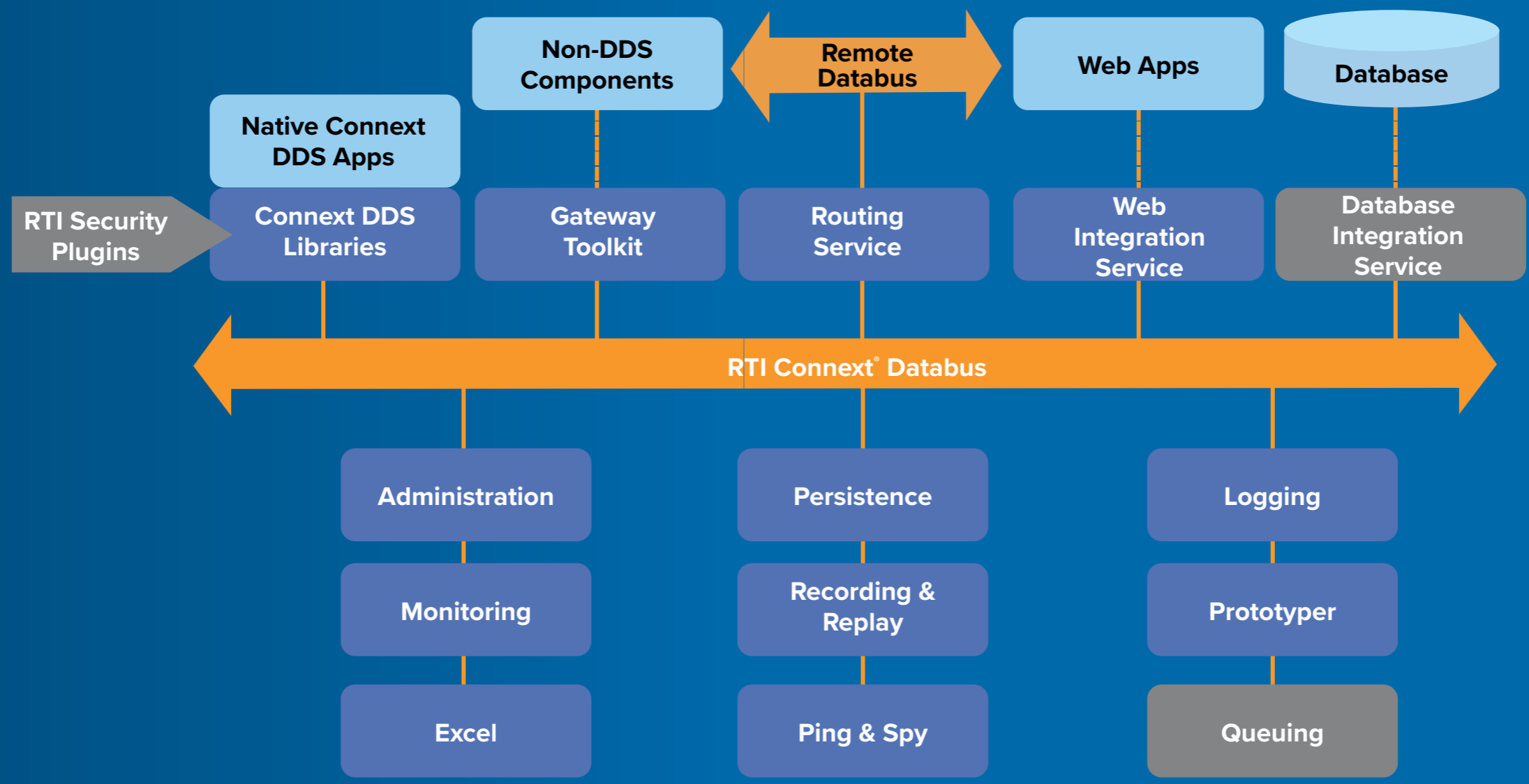
RapiTask

Visualise detailed RTOS scheduling with extremely low target overheads. Identify capacity issues by observing CPU utilisation.

RapiCover

Facilitates coverage analysis on host and on target up to MC/DC. Lowest overhead on the market and qualifiable for DO 178C and ISO 26262.

YOUR SYSTEMS, WORKING AS ONE

AdaCore

[CS] CODESECURE

RAPITA

SIEMENS

CoreAVI
INNOVATING A SAFER TOMORROW

McObject eXtremeDB

rti

WNDRVR

Native Connext DDS Apps

Non-DDS Components

← Remote Databus →

Web Apps

Database

RTI Security Plugins →

| Connext DDS Libraries | Gateway Toolkit | Routing Service | Web Integration Service | Database Integration Service |

← **RTI Connext® Databus** →

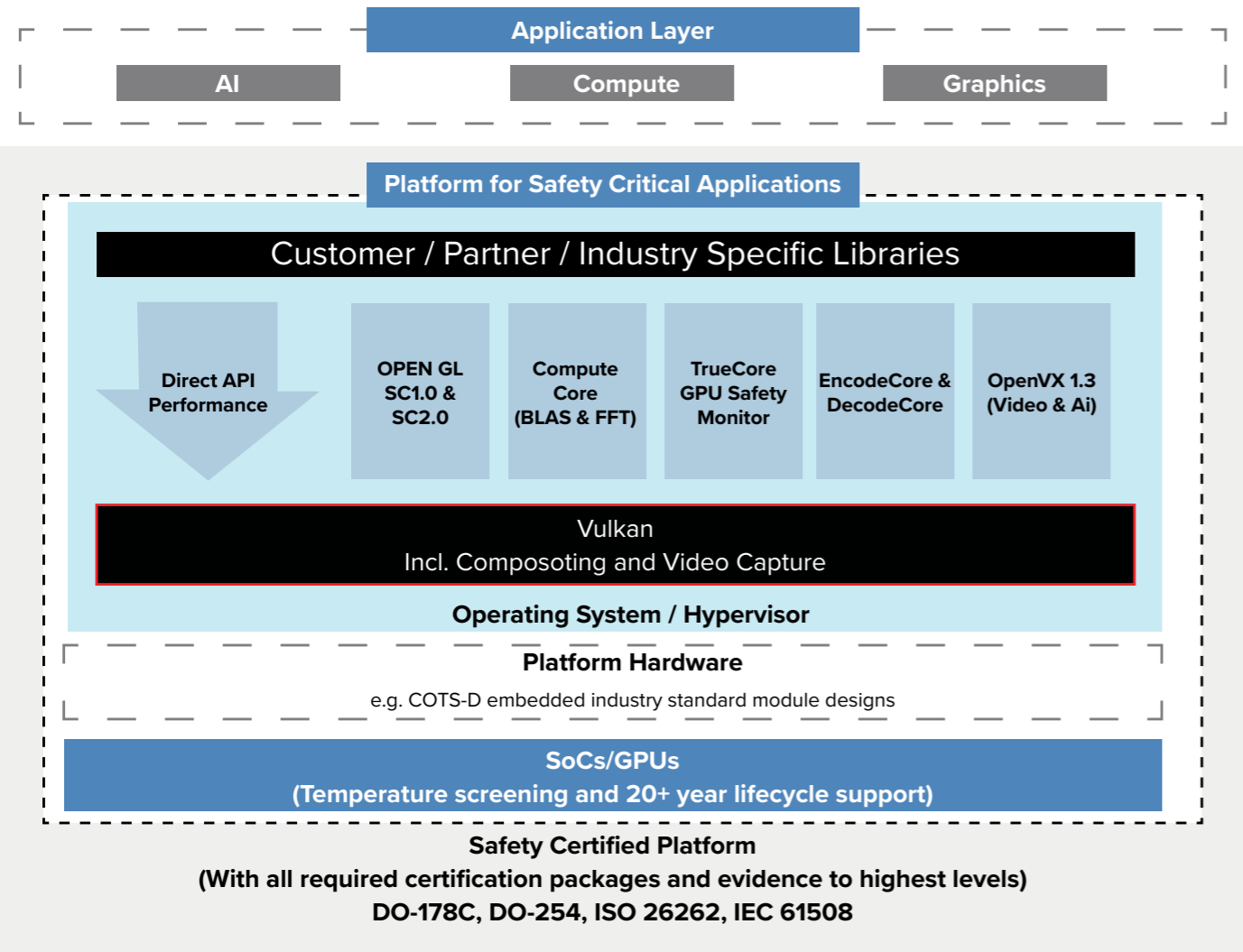| Administration | Persistence | Logging |
| Monitoring | Recording & Replay | Prototyper |
| Excel | Ping & Spy | Queuing |

TOOLS – Manage, build and verify critical systems

PLATFORMS – Building Blocks for critical systems

CoreAVI's revolutionary safety certifiable platforms provide everything needed to develop vehicle control and display systems. This includes hardware IP, graphics and compute drivers, software libraries, firmware and real time operating systems, all from one vendor.

Application Layer

| AI | Compute | Graphics |

Platform for Safety Critical Applications

Customer / Partner / Industry Specific Libraries

| Direct API Performance | OPEN GL SC1.0 & SC2.0 | Compute Core (BLAS & FFT) | TrueCore GPU Safety Monitor | EncodeCore & DecodeCore | OpenVX 1.3 (Video & Ai) |

Vulkan
Incl. Compositing and Video Capture

Operating System / Hypervisor

Platform Hardware
e.g. COTS-D embedded industry standard module designs

SoCs/GPUs
(Temperature screening and 20+ year lifecycle support)

Safety Certified Platform
(With all required certification packages and evidence to highest levels)
DO-178C, DO-254, ISO 26262, IEC 61508

Cloud Based Data

Modern Cloud Platform

Instant-On

Always up to date and ready

SIEMENS

Polarion X, an Application Life-cycle Management (ALM) Software, includes everything from Polarion On-Premise, in a cloud-based deployment - updates are deployed faster and users get access to alternative pricing options.

Wind River is accelerating digital transformation across industries by delivering the software and expertise that enable the development, deployment, operations and servicing of mission-critical intelligent systems from the edge to the cloud.

WNDRVR Studio

SPANNING THE FULL LIFECYCLE OF INTELLIGENT SYSTEMS

Development

| VxWorks | Wind River Helix Virtualization Platform | Wind River Linux | Wind River Simics |

Deployment

Operations

| Kevlar Technology Protection Suite | Wind River Studio Cloud Platform | Wind River Studio Conductor | Wind River Studio Analytics |

Service

KEVLAR EMBEDDED SECURITY

Meeting Certified Security Requirements, Kevlar Embedded Security helps you meet your internal and/or external cybersecurity requirements with ease.

• Layered Security
• Flexible Integration
• Balanced Performance

SAFE, SECURE, RELIABLE AND CERTIFIABLE

WIND RIVER PLATFORMS for Safety Critical systems offer proven interoperability, flexibility and reliability in the most challenging application whilst our technology makes it easier and more cost-effective for organisations to meet stringent safety certification requirements.

Dedicated Systems

20 Years

For over 20 years, leading companies have relied on Dedicated Systems to help them address the challenges of innovating, integrating and sustaining technology. Our customers build complex and critical systems, often deployed in challenging environments. Our best-of-breed products coupled with a team of highly experienced engineers help minimise risk, reduce total cost of ownership and improve outcomes.

AVIONICS

NAVAL SYSTEMS

LAND

EW/RADAR/SONAR

SPACE

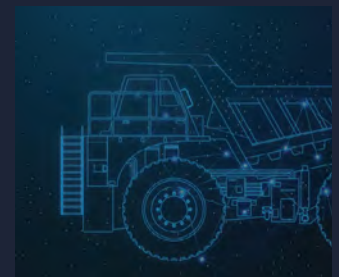CYBER SECURITY

RAIL MONITORING & CONTROLS

MEDICAL DEVICES

AUTONOMOUS VEHICLES

COMMUNICATIONS & NETWORKING

RENEWABLE ENERGY

MINING AUTOMATION

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QUALITY MANAGEMENT
ISO 9001 CERTIFIED

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