

# AdaCore

*Reliable software solutions*

**B**uilding avionics software is a complex, expensive process. AdaCore understands this. Time and again, our powerful tools and frontline support have served to help avionics customers from around the globe develop robust and reliable software that satisfies the most stringent safety standards.

The Ada programming language is the language of choice in a long list of avionics projects — 787, A380, 767, A330 MRTT, 777, Eurofighter and NH90 — to name but a few.

The new ISO standard, Ada 2005, goes even further in providing innovative features for building safety-critical software. New restrictions and profiles allow projects to tailor their run-time environment for safety-critical development, supporting deterministic scheduling and initialization, together with static source code analysis. Ada 2005 introduces flexible task-dispatching policies, execution-time clocks and timers and a unification of concurrent and object-oriented features. All these make Ada the safest choice when building programs that can't fail. To learn how the new ISO standard can help you build the safest applications, and to download free chapters from "Safe and Secure Software — An invitation to Ada 2005," visit [www.adacore.com/safe\\_secure](http://www.adacore.com/safe_secure).

## *GNAT Pro High-Integrity Family*

GNAT Pro High-Integrity Edition for DO-178B and GNAT Pro High-Integrity Edition for Servers are enhanced versions of the GNAT Pro Ada development technology, designed for building safe and secure software.

Their many features help to reduce the cost of developing and certifying systems that have to meet safety standards, such as RTCA DO-178B/EUROCAE ED-12B, DO-278, CAP670/SW01, ESARR 4/6 and other high-integrity standards.

The run-time library for the GNAT Pro High-Integrity Edition for DO-178B has already been certified to the highest safety level for DO-178B Level A, as a part of multiple avionics systems.

Ada and GNAT Pro continue to see growing usage in high-integrity and safety-certified applications, including commercial aircraft avionics, military systems, air traffic management/control, railroad systems, and medical devices, and in security-sensitive domains such as financial services.

Available as a subscription package, GNAT Pro offers frontline support, including direct contact with the engineers that develop the technology and have extensive experience in assisting avionics customers to take full advantage of the benefits that Ada offers. This ensures a smooth, cost-effective development process.

## Contact Information

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**Tools to get you there.  
Safely.**

The GNAT Pro High-Integrity Family



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The GNAT Pro Company

[www.adacore.com/avionics](http://www.adacore.com/avionics)