The IBM Java integrated development environment for embedded systems

All our Java dévelopment solutions are based on IBM's Websphere Studio Device Developer(WSDD). This tools provides a complete development environment for embedded devices. It is delivered in a standard configuration as a basis for our JDEs:

Comprehensive yet easy-to-use IDE Core:
- . Graphical User Interface.
  - File system.
  - Project manager and librarian.
  - Editors and browsers.

Team development environment:
- . Facilitates managing & control of large projects carried out by single or multiple teams.
  - Allows more effective control of the development process.

Version control interface:
- . Easy-to-use interface to SCVS and other commercially available version control systems.

Tools for constructing, testing, and debugging bytecode executable forms of Java applications created with the IDE Core:
- . Java-to-bytecode compiler.
  - Tools for creating the JAR files of bytecode/native-code executables.
  - Remote "on target" bytecode debugger.
  - Remote "on target" micro-analyzer/profiler.
  - Refactoring tool.

ANT build environment suitable for:
- . Creation of sophisticated build scripts.
  - Quick testing of new builds.

Tools for optimizing the deployment-ready bytecode forms of Java applications:
- . "SmartLinker" - AOT (Ahead-Of-Time) optimizer of runtime footprint.
  - AOT compiler if the corresponding JRE is compliant with the Real-Time Specification for Java.
  - JXE linker - AOT optimizer for specific features of the target hardware. (Is required for use with the AOT compiler).

Emulator launcher and interface:
- . Supports the Unified Emulator Interface(UEI).
  - Facilitates effective use of various commercially available device emulators.
  - Can be easily adapted for the specific emulator of a given customer.

Fast deployment on flash memories:
- . Packaging of deployment-ready applications for fast "execution in place" (XIP) on flash memories.

Language translation Java APIs:
- . Most European languages.
  - Japanese, Korean, Chinese, simplified Chinese, etc.