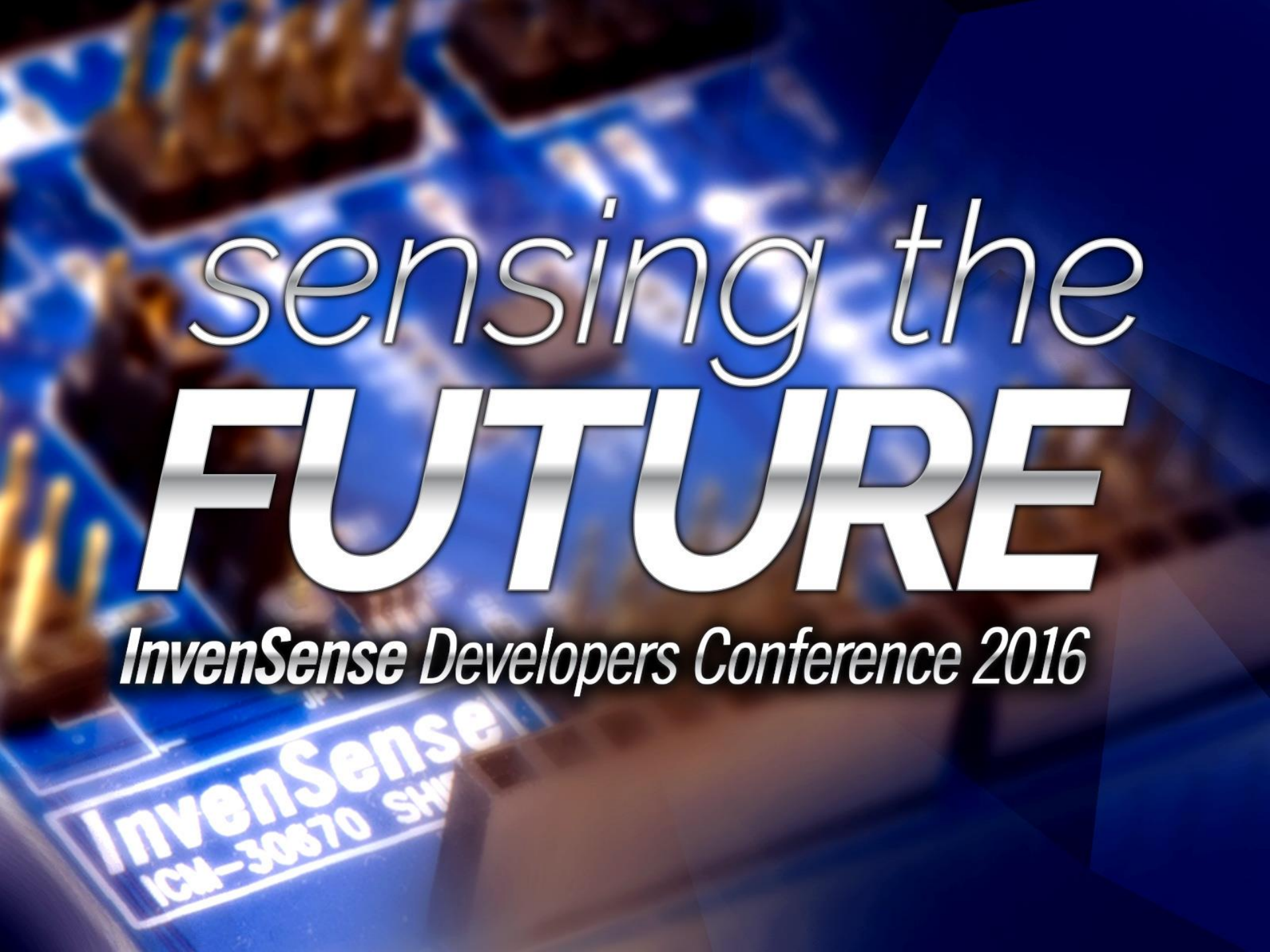

sensing the
FUTURE
InvenSense Developers Conference 2016
InvenSense
ICM-30670

What's New in SensorStudio2.2.0

Ease your prototyping

sensing the FUTURE

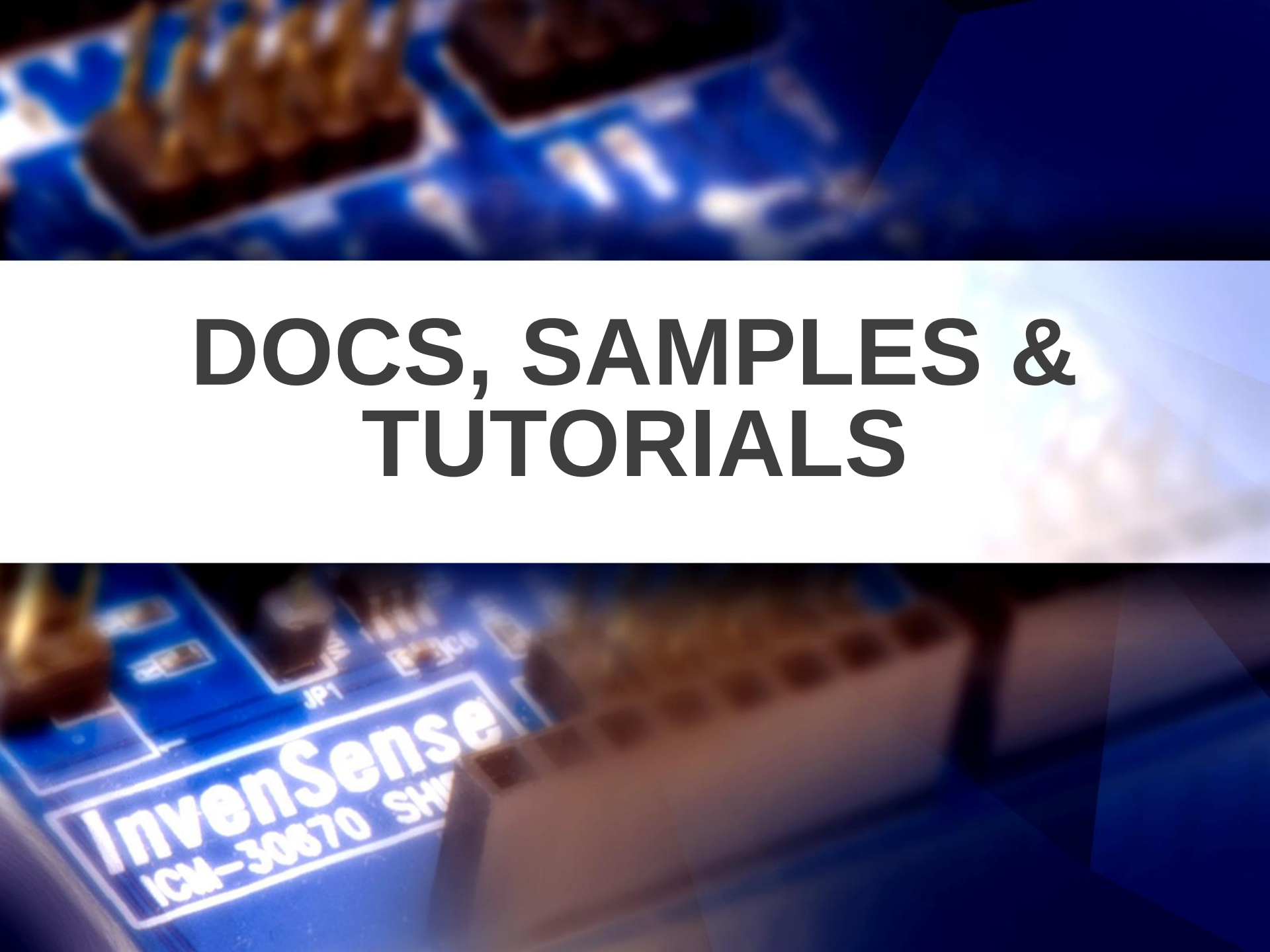
- Accelerate sensor based IOT development with new SensorStudio software!
  - Packaging and Distribution
  - Documentation, Samples & Tutorials
  - Code Editor & Update Service
  - Record & Replay
  - GSH

PACKAGING AND DISTRIBUTION

sensing the FUTURE

- What's in the SensorStudio2.2.0 Dev Kits?
  1. ICM30670 + Multisensor Daughterboard + Arduino
  2. ICM20690 + Multisensor Daughterboard + ST Nucleo ST411RE

- What's in the SensorStudio2.2.0 Software Package?
  1. ICM30670 SDK
  2. Generic Sensor Hub SDK w/ freeRTOS integration
  3. Linaro gcc toolchain
  4. Arduino & FTDI drivers
  5. Lots of documents and samples and tutorials


DOCS, SAMPLES &
TUTORIALS
InvenSense
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INTERACTIVE TUTORIAL

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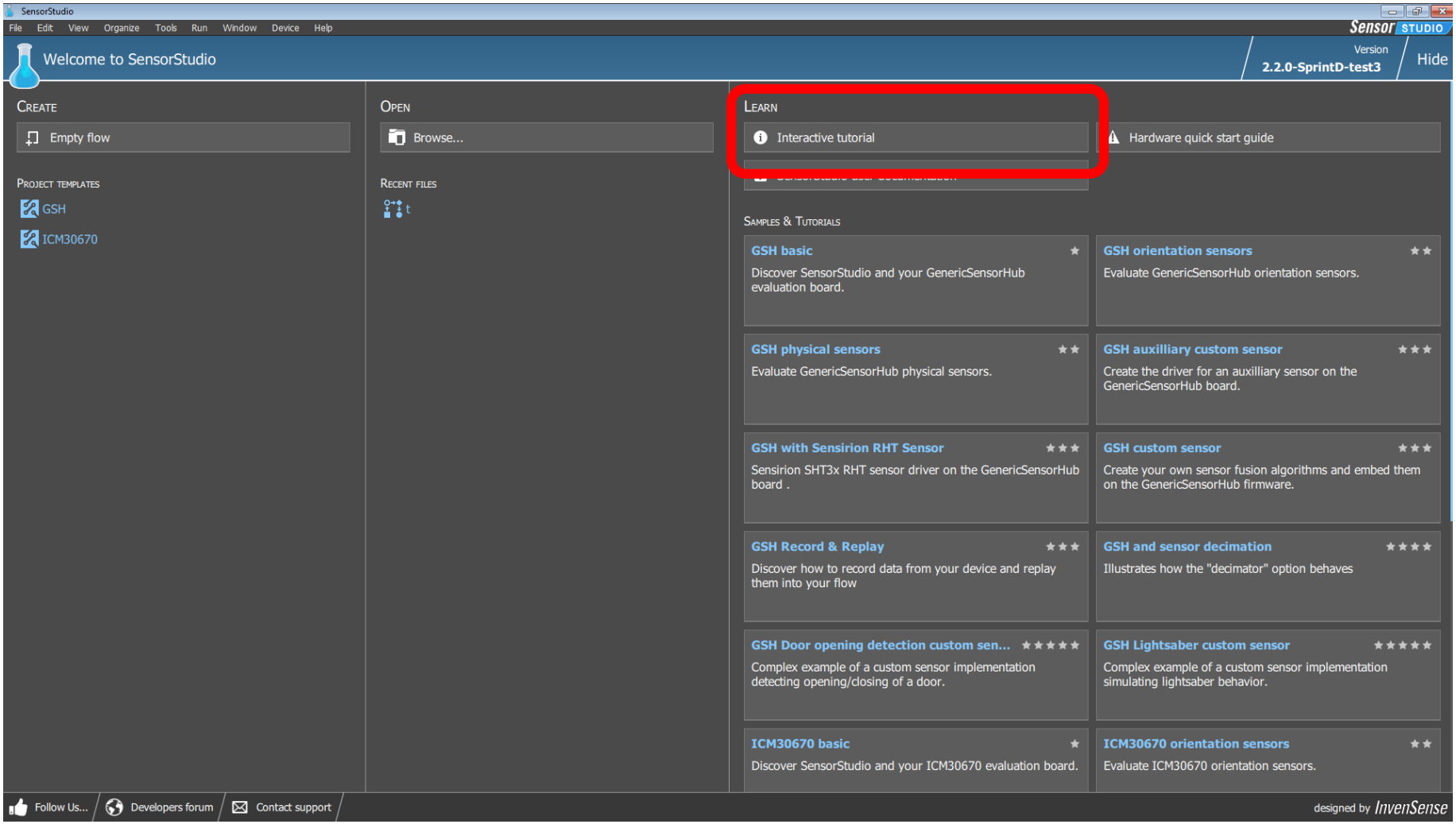
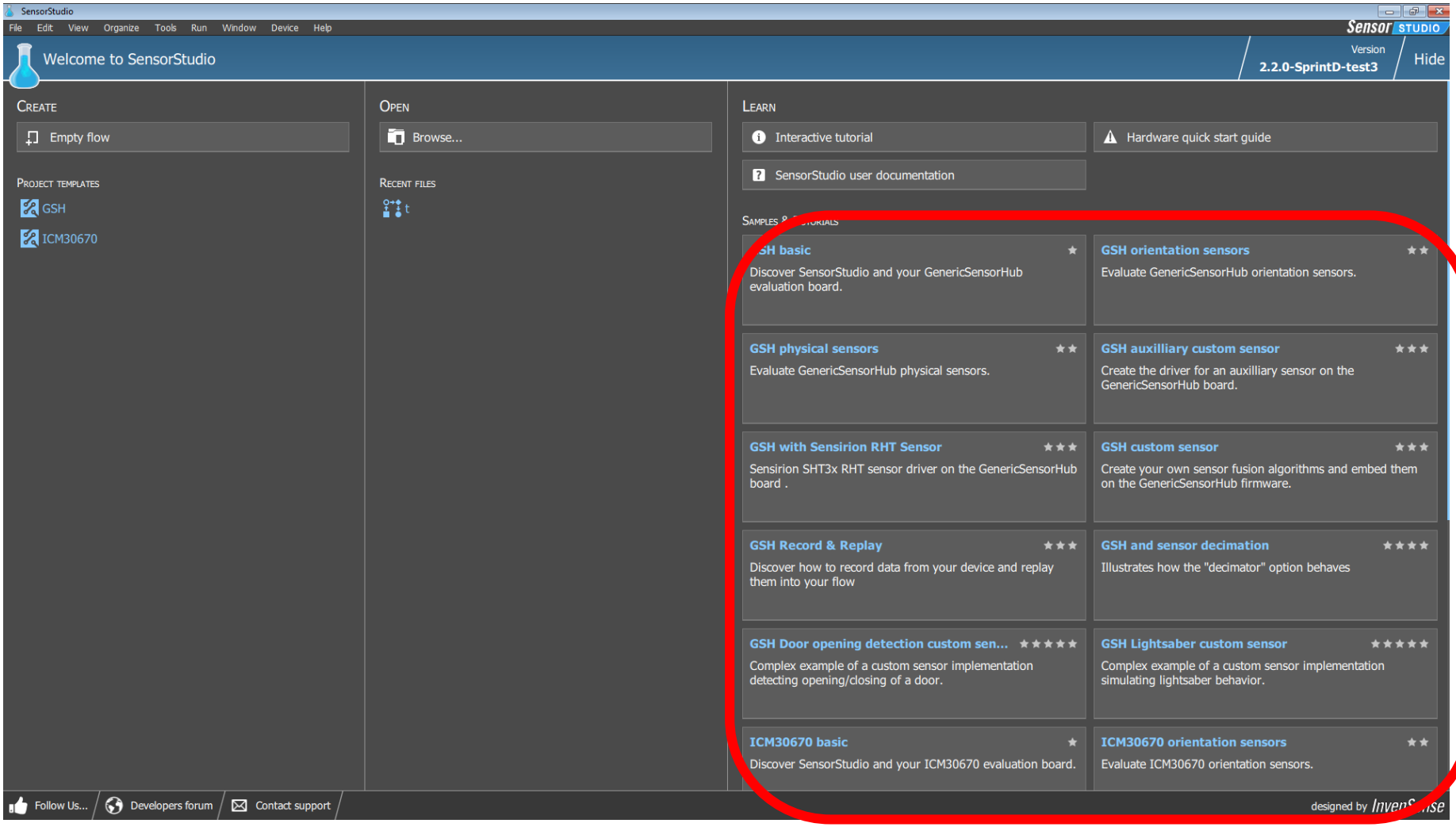


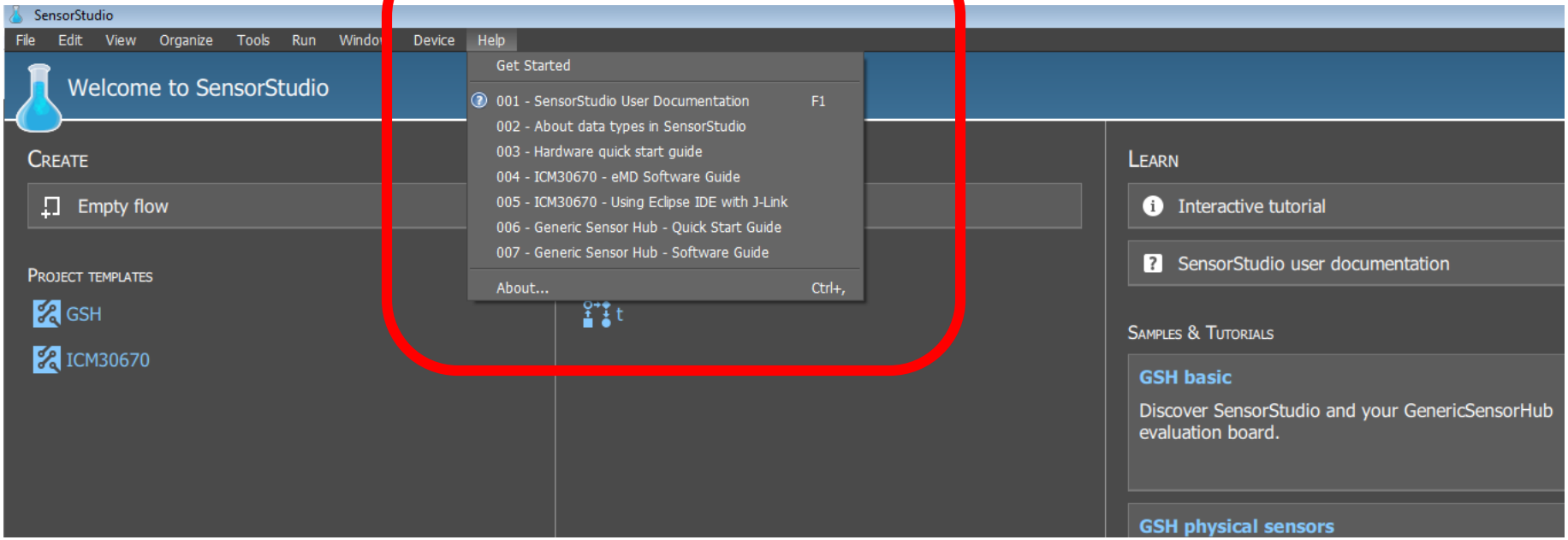
SAMPLES & DOCUMENTATION

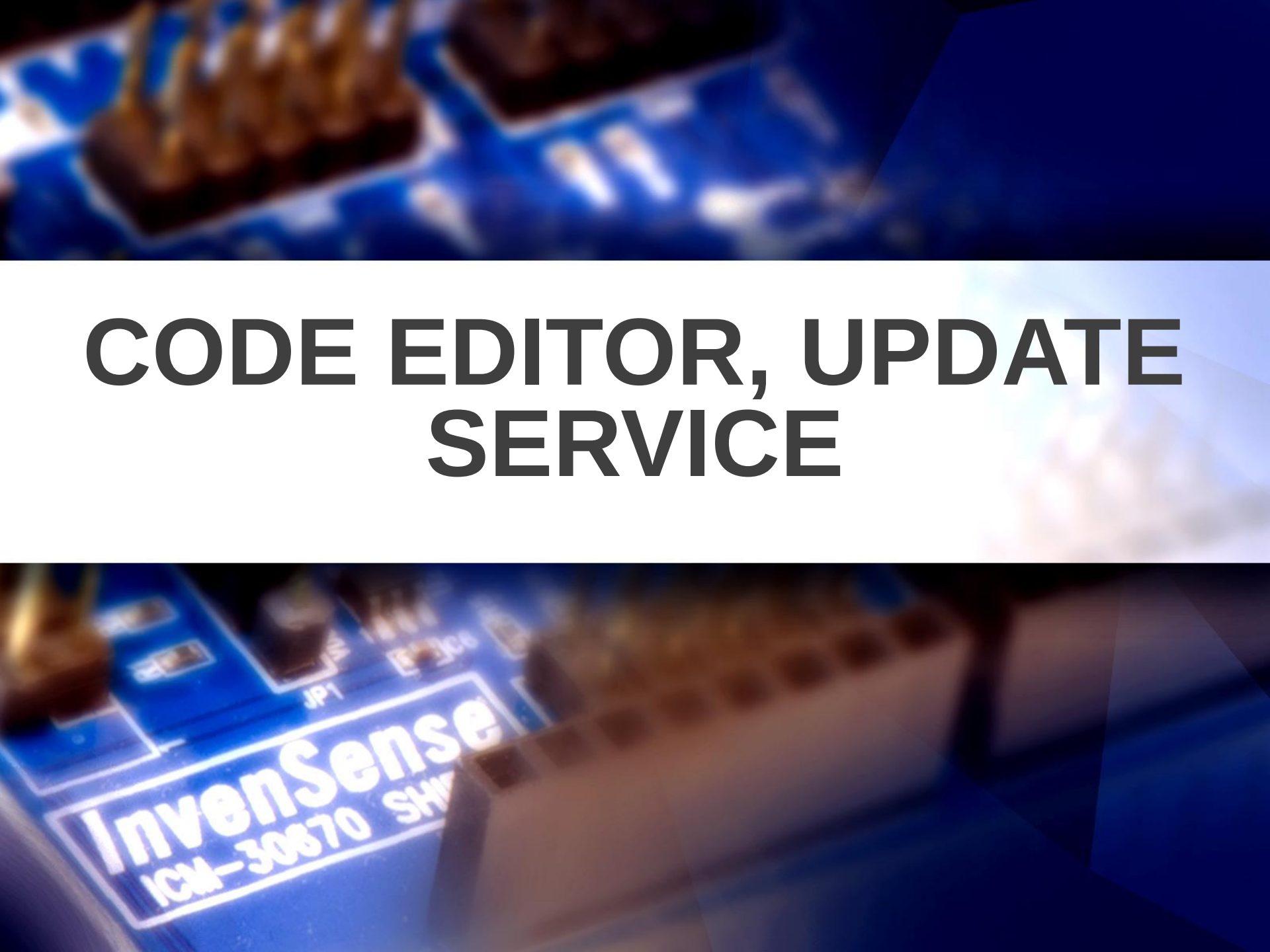
sensing the FUTURE



SAMPLES & DOCUMENTATION

sensing the FUTURE



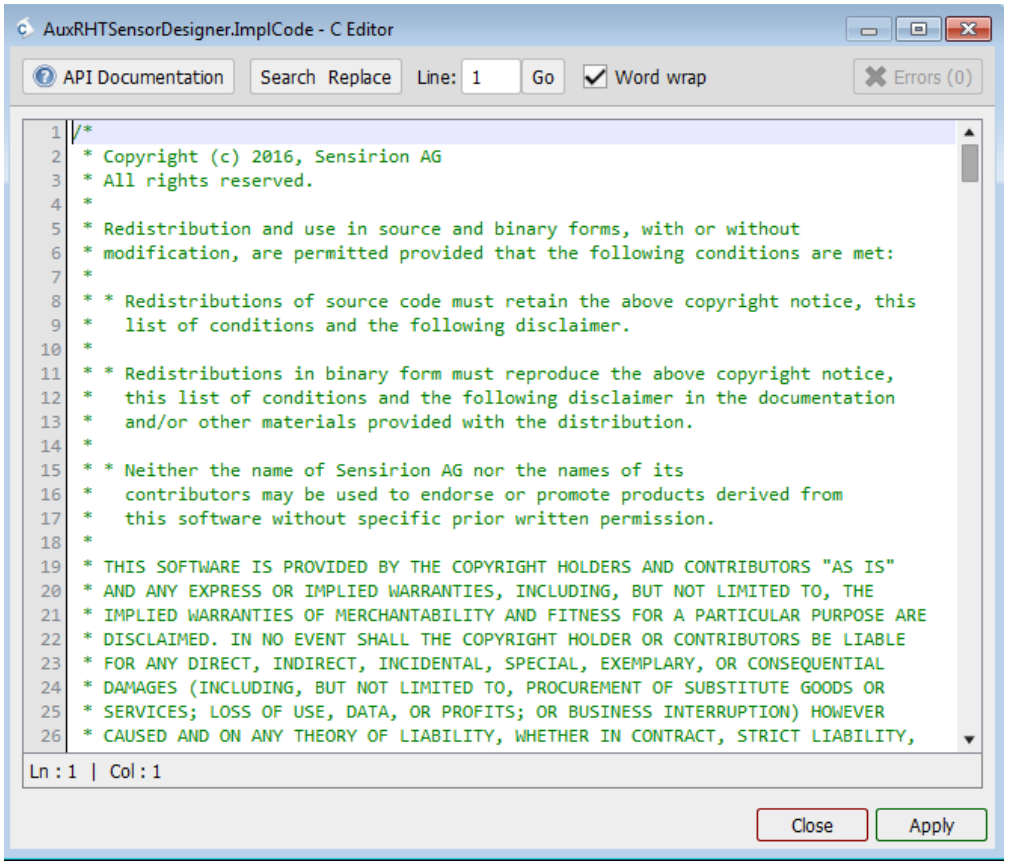


CODE EDITOR, UPDATE SERVICE

C CODE EDITOR

sensing the FUTURE

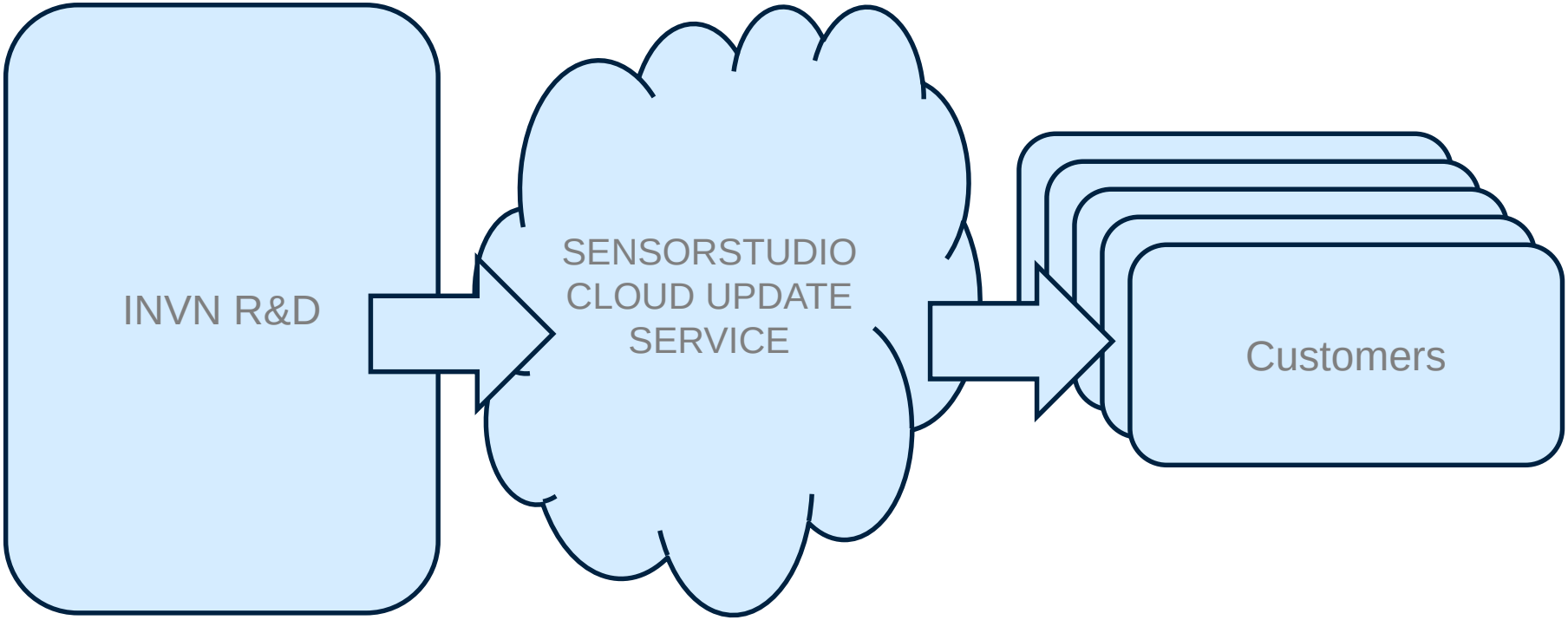
- Improved C Code editor with basic development features
  - search/replace
  - goto
  - word wrap
  - line numbering
  - syntax highlighting



UPDATE SERVICE

sensing the FUTURE

- Notifies users of new software
- User can decide to upgrade or not



RECORD & REPLAY

RECORD AND REPLAY

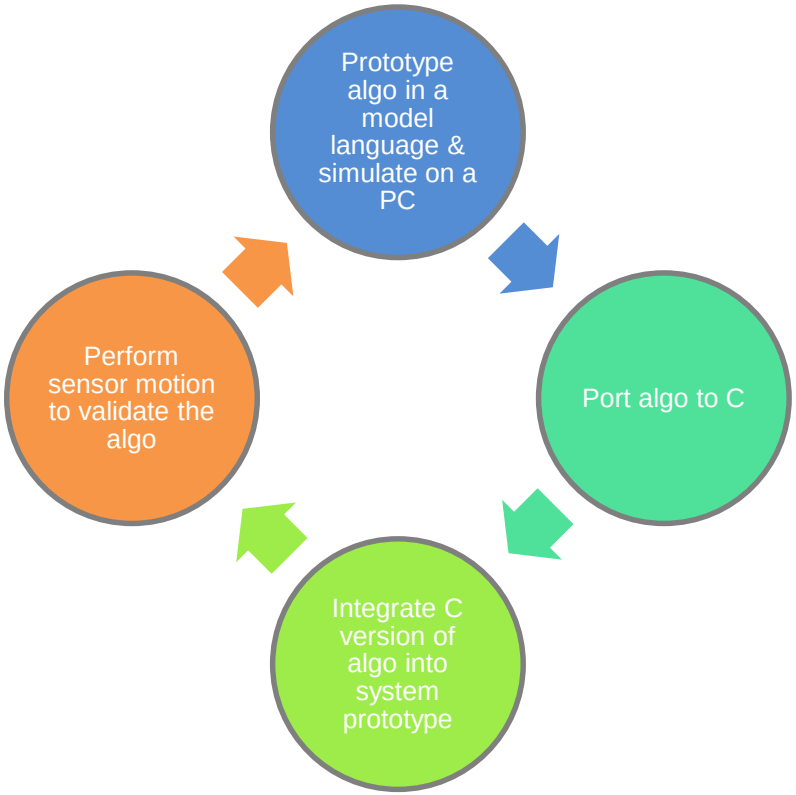
sensing the FUTURE

- Record motion events and data from the dev kit
- Replay the motion to iterate on your development and product designs faster!
  - Eliminates iterative complex integrations
- Enables repeatable test scenarios for algorithm validation
- Great for your limited budget and headcount

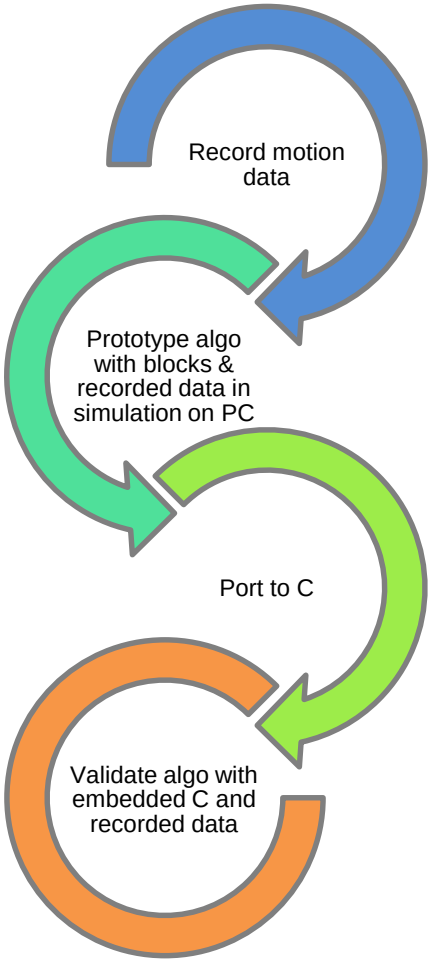
RECORD & REPLAY

sensing the FUTURE

WITHOUT SENSORSTUDIO



WITH SENSORSTUDIO



RECORD & REPLAY DEMONSTRATION

GSH

GSH

- A complete Sensor Framework for you
- Allows you to focus on your applications instead of spending your limited resources on Sensor platform development
- Provides out of the box RTOS, if you need it
  - RTOS is configurable and/or removable
- Can be ported to any MCU and continues to work with SensorStudio

GSH on ATMEL DEMONSTRATION

ATMEL DEMO

Thank You