The fastest IoT business enabler

MICROEJ FOR

Kinetis
Microcontrollers

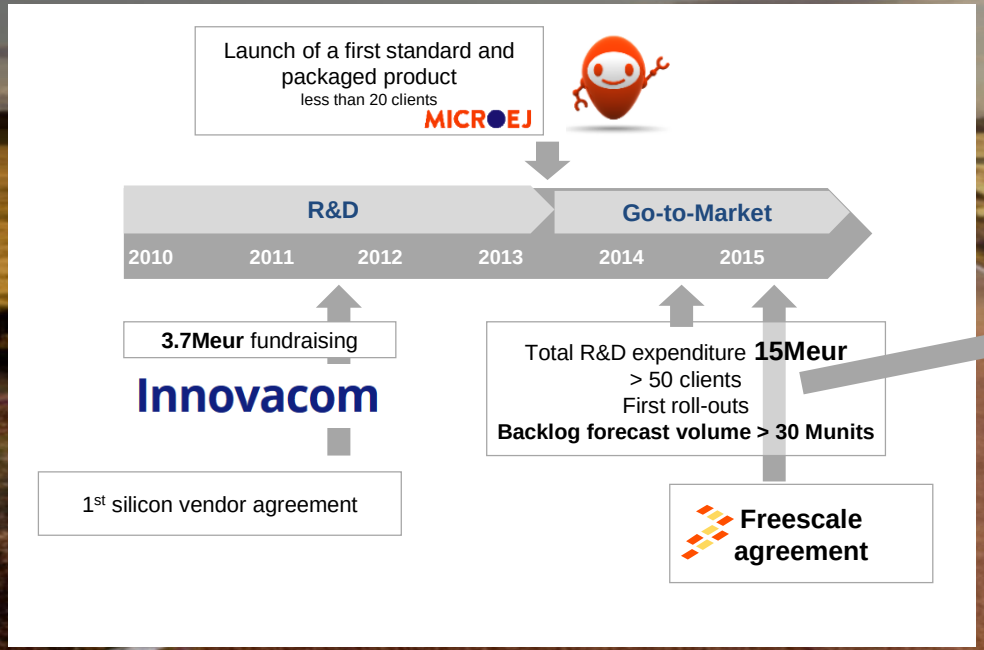
Vybrid
Controller
Solutions

i.MX
Applications
Processors

MICROEJ®

MICROEJ Software Platform

A bit of History



FOR NEW IOT DEVICES & SERVICES

CONSUMER ELECTRONICS

WEARABLES

INDUSTRIAL AUTOMATION

HEALTHCARE

AUTOMOTIVE

IS2T

A TYPICAL USE CASE - WEARABLE ELECTRONICS

63% off on Bill of Material

87% power consumption savings

	RTOS (Linux) + Java	RTOS (Any) + Java
Power	410 mAh – batteries rechargeable every day	Batteries rechargeable every week
Processor	Qualcomm Snapdragon 400 MSM8226, ARM 7-based Quadcore 1.2 GHz	ARM Cortex-M4 based MCU, 120 MHz
RAM (data)	256 MB	Less than 0.5 MB
FLASH (Code + Resources)	2 GB	2 MB
Boot Time	35 s	50 ms

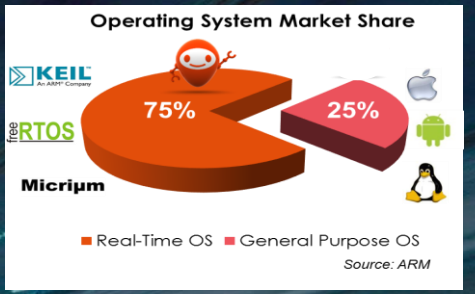
GUI – MICROEJ EMBEDDED UI

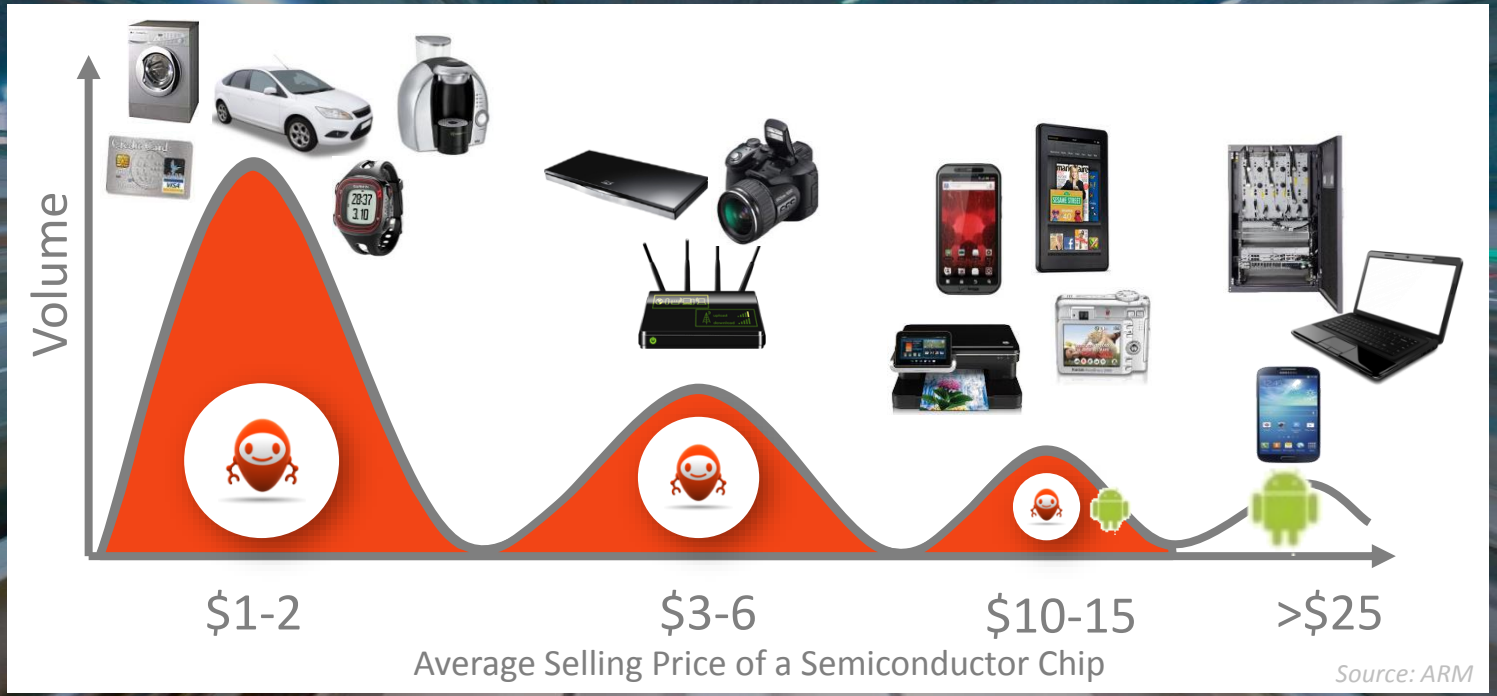
- Example – Area Chart
  - Kinetis K70 (M4)
  - 32-bit col. WQVGA, touch
  - 50 frames/s,
  - 2ms boot-time
- Memory requirements

	FLASH 161 KB	RAM 11 KB
MicroEJ processor	28 KB	1 KB
MicroEJ GUI Platform	114 KB	5 KB
Area chart application	19 KB	5 KB

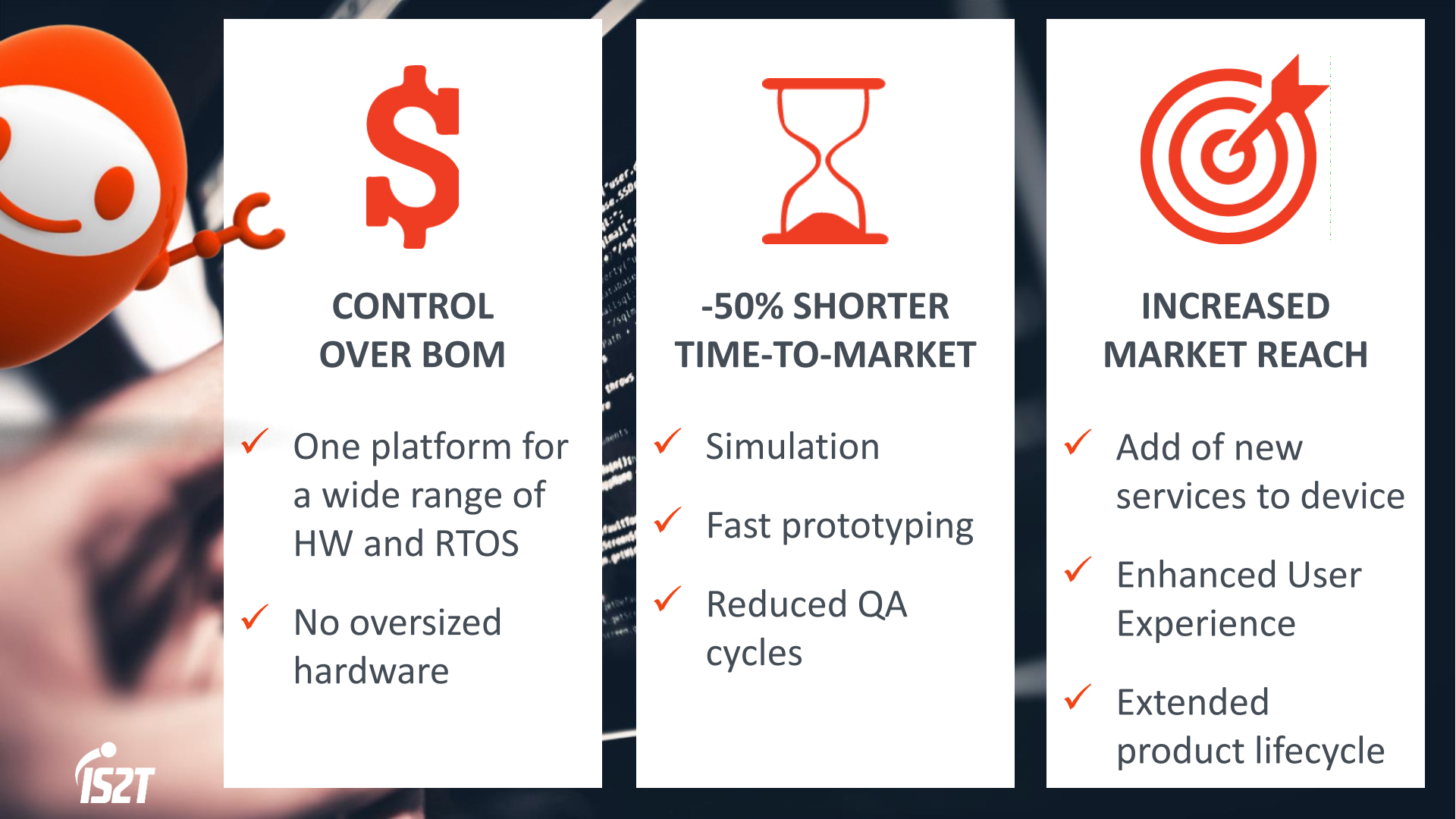
- GUI Libraries
  - Front panel designer
  - Widget examples
  - Fonts
  - Transitions, etc.

FOR ALL PRODUCTS






SCALABILITY
SECURITY
REMOTE MANAGEMENT
ADD OF NEW SERVICES
CODE REUSE
LOW POWER CONSUMPTION
IS2T



CONTROL OVER BOM

- ✓ One platform for a wide range of HW and RTOS
- ✓ No oversized hardware

-50% SHORTER TIME-TO-MARKET

- ✓ Simulation
- ✓ Fast prototyping
- ✓ Reduced QA cycles

INCREASED MARKET REACH

- ✓ Add of new services to device
- ✓ Enhanced User Experience
- ✓ Extended product lifecycle

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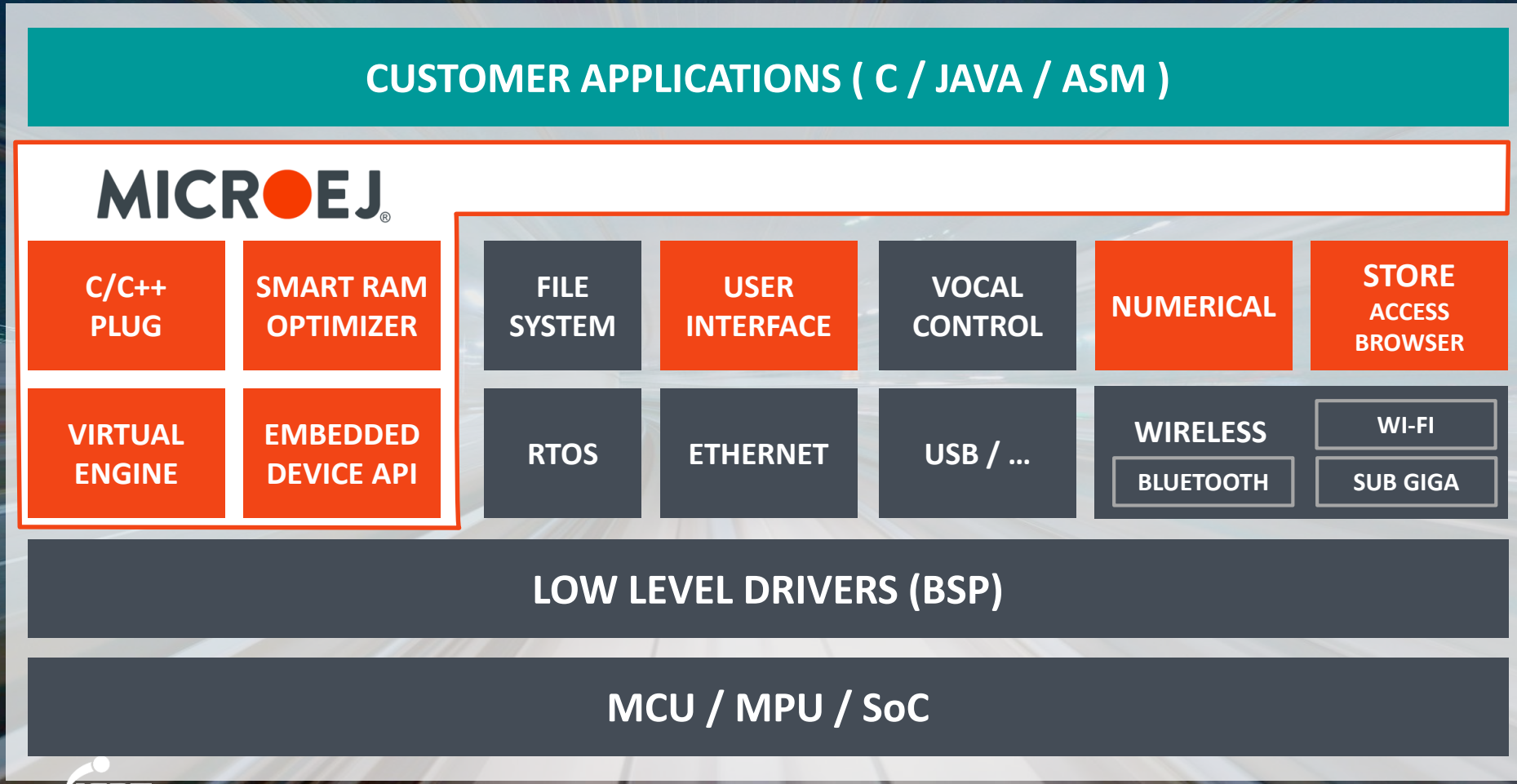
MICROEJ
LEVERAGES A
POWERFUL AND
COMPREHENSIVE ECOSYSTEM
IS2T


CUSTOMER APPLICATIONS (C / JAVA / ASM)
MICROEJ
C/C++ PLUG
SMART RAM OPTIMIZER
VIRTUAL ENGINE
EMBEDDED DEVICE API
FILE SYSTEM
USER INTERFACE
VOCAL CONTROL
NUMERICAL
STORE ACCESS BROWSER
RTOS
ETHERNET
USB / …
WIRELESS
WI-FI
BLUETOOTH
SUB GIGA
LOW LEVEL DRIVERS (BSP)
MCU / MPU / SoC
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STANDARD LIBRARIES FOOTPRINT

	Min	Typical	Max
» Core	14.9K	40.0K	140.7K
» Log	1.5K	1.5K	2.5K
» CJ-PLUG	2.0K	2.5K	4.5K
» ECOM	4.5K	10.5K	23.1K
» Wadapps	3.3K	17.1K	24.3K
» UI	12.1K	50.0K	181.3K
» MQTT	41.2K	42.3K	49.2K
» Eclasspath	0.0K	35.0K	97.3K
» NET*	20.1K	20.1K	25.1K

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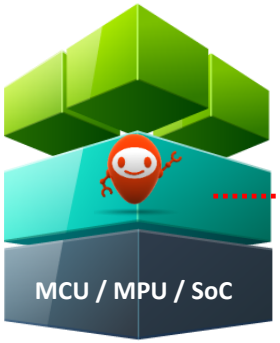
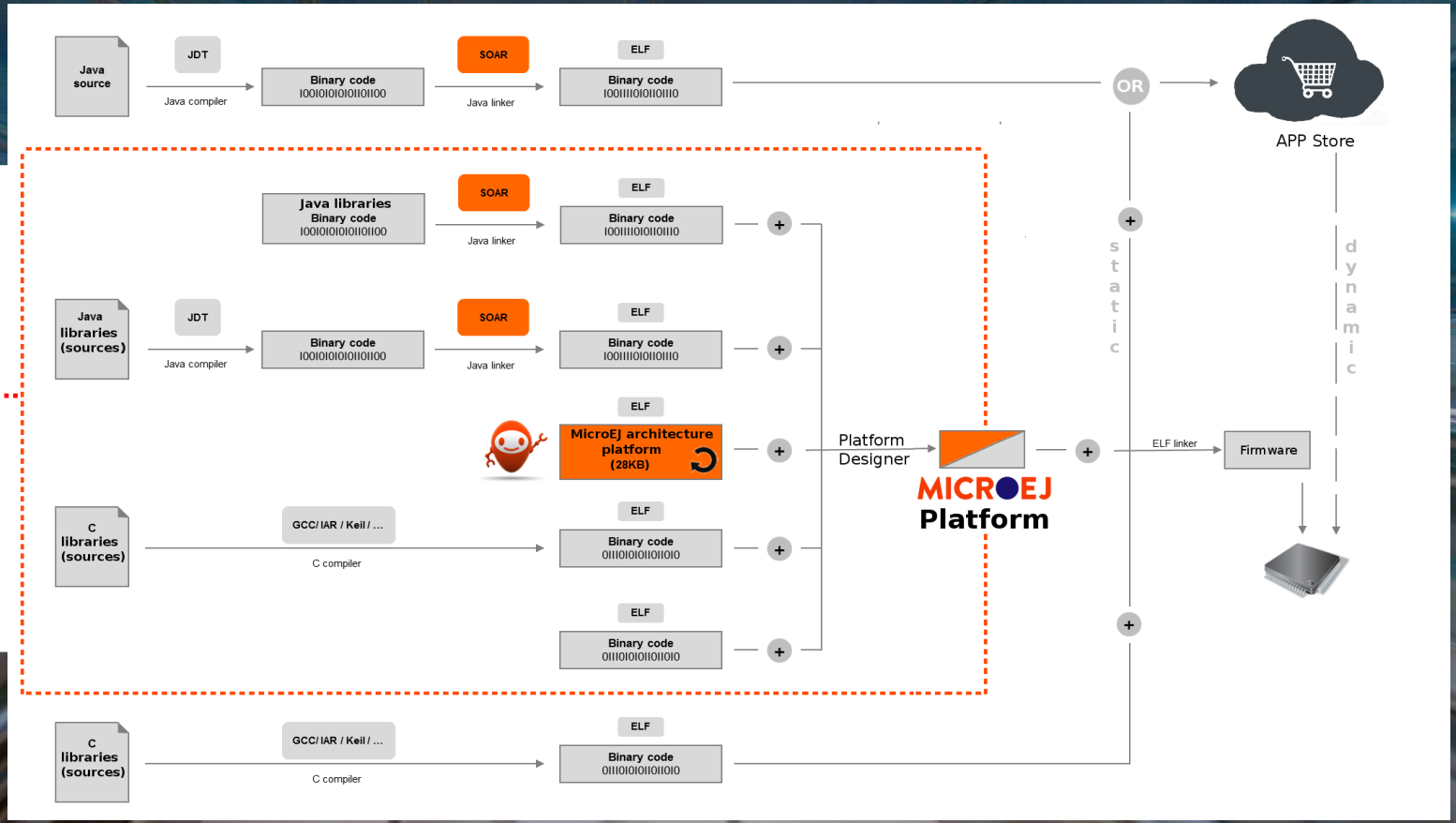
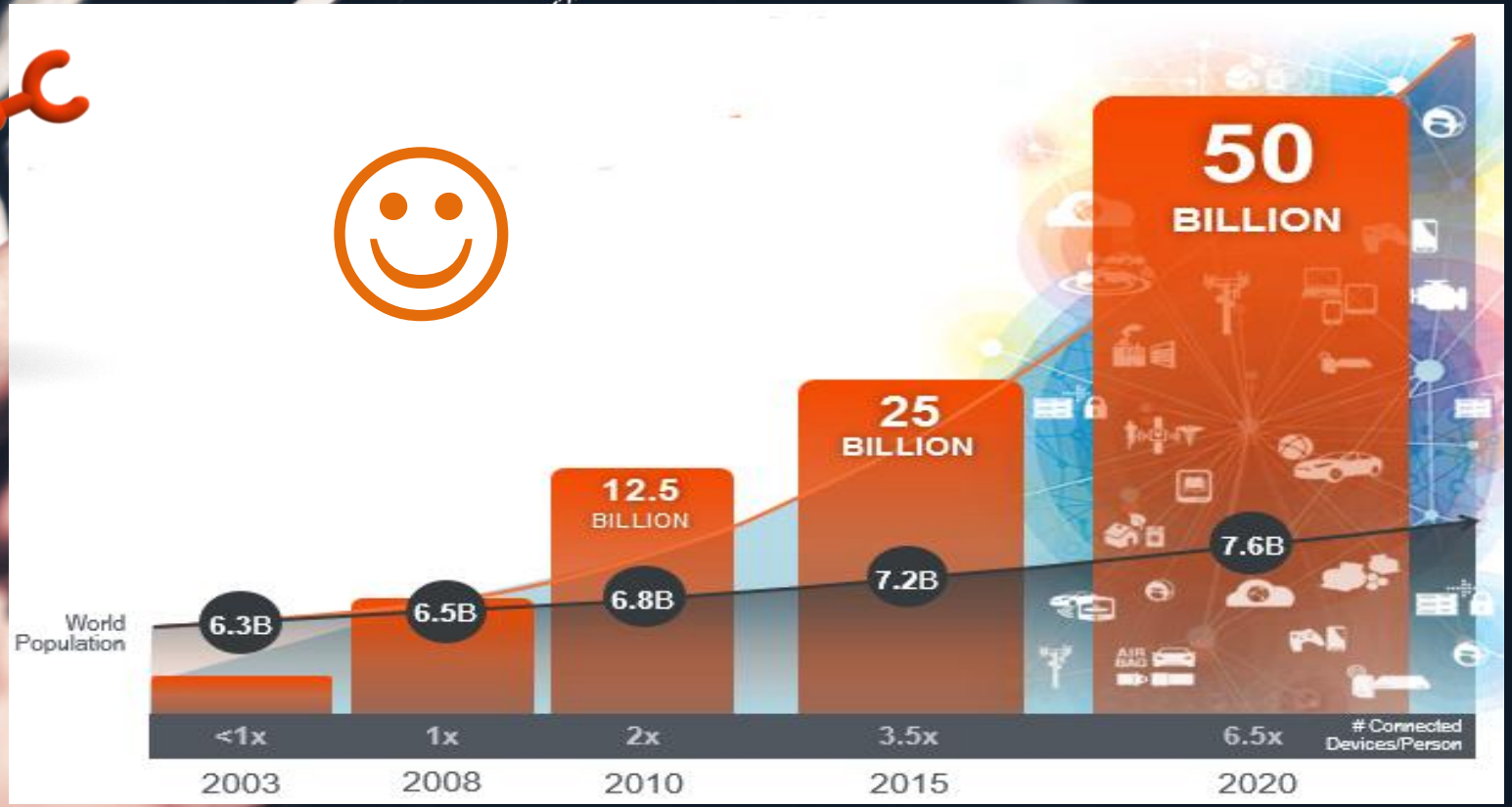
STANDARD GENERATION FLOW





WHY MICROEJ ?


50
BILLION
25
BILLION
12.5
BILLION
World
Population
6.3B
6.5B
6.8B
7.2B
7.6B
<1x
1x
2x
3.5x
6.5x
Connected
Devices/Person
2003
2008
2010
2015
2020

DETECTING SWEET BUSINESS SPOTS

If you want to significantly increase productivity…

If you have “brand issue” across several products line …

If you want “Android” but cannot afford the B.O.M …

If you want a software components/Apps store …

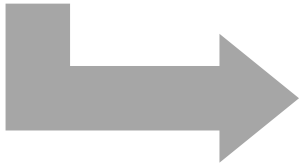
If you want to create an safe and reliable (open or close) ecosystem…

If you want to simulate first your next device functionalities…

If you have several IoT protocols/comm to address…

If you yours marketing and R&D teams fight …

If you need an integrated software platform that includes User Interface, Numeric, Sensor, Low Power, Smart RAM optimizer, …



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