arm

We believe in making technology more accessible to more people.

70%

of the world's population uses Arm technology

The Architects of Global Possibilities

The global leader in the development of licensable technology

- R&D outsourcing for semiconductor companies

Focused on freedom and flexibility to innovate

- Technology reused across multiple applications

With a partnership based culture & business model

- Licensees take advantage of learnings from a uniquely collaborative ecosystem

1,650+
licenses, growing by >100 every year

138+bn
Arm-based chips shipped to-date

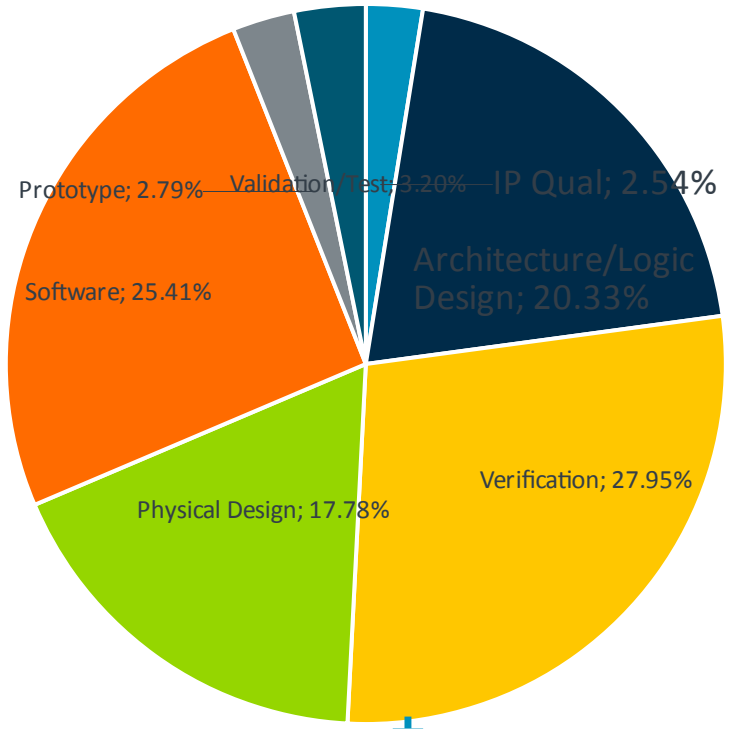
6.2bn
Arm-based chips shipped in Q3 FY2018

525+
Licensees
Industry leaders and high-growth start-ups; chip companies and OEMs

arm

IP enablement for all
- Where the ecosystem helps

SoC development cycle cost ($%)



Verification
Verification IP
Models
Emulation/FPGA flows
Arm approved design Services
Support & training

Software
Debug tools
Compilers
Firmware
Apps
OS
Open source contributions
Models
FPGA/Emulation support
Software development boards

Physical design
Reference methodologies
Physical IP and POP
DFT/DFM readiness and flows
Arm approved design services

Silicon IC prototyping
Test methodologies
Models
Debug tools
Evaluation boards
Ready to use firmware or OS

IP qualification
Silicon proven IP
Functional integration kits
Reference platforms
Models for simulation
Models for software acceleration
Support

Architecture/design
Integration kits
Reference platforms
Models
Bus & interface standards
Arm system IP
Functional safety support
Security – IP, software and platform
Emulation

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Arm DesignStart

- fast cost effective access to Arm IP and ecosystem

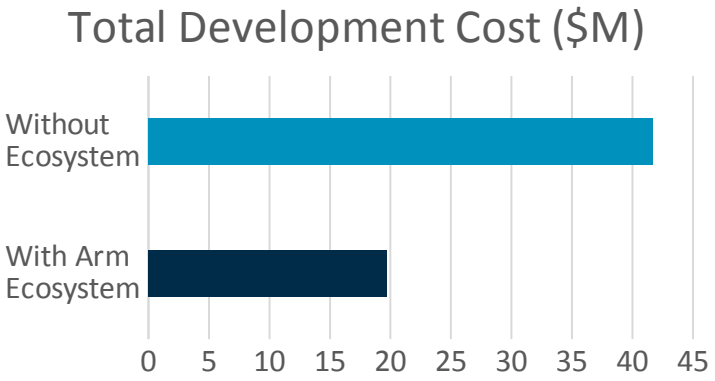
DesignStart for custom SoCs/ASICs

- ✓ Cortex-M0 and Cortex-M3 CPUs for no upfront fee
- ✓ Cortex-A5 CPU: lowest-cost route to Linux-capable design
- ✓ 1,000s of physical IP libraries

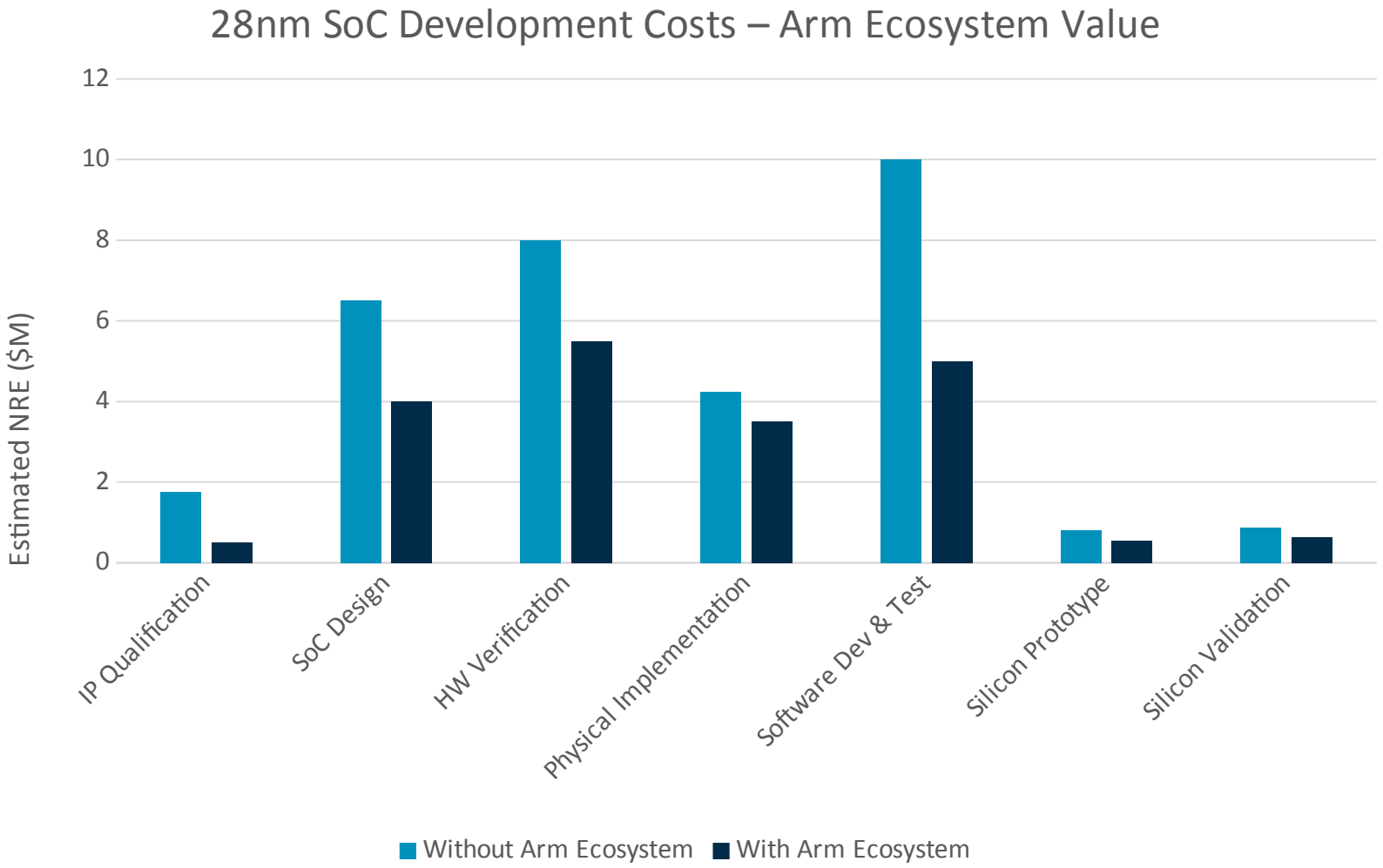
DesignStart FPGA

- ✓ Cortex-M1 and Cortex-M3 CPUs
- ✓ Soft IP in Xilinx FPGA
- ✓ No license fee, no royalties

The Arm ecosystem
- Marking IP use more affordable to the industry



- Data is based on a **medium complexity** 28nm SoC grounds up SoC design
- Value of Arm ecosystem is an **estimate** of **engineering hours saved** due to ecosystem contribution
- Costs are **estimates** based on **analyst data** and **Arm estimations**
- Does not include potential upside:
  - lost opportunity cost
  - EDA license/infrastructure cost savings



Arm is committed to Open Source innovation

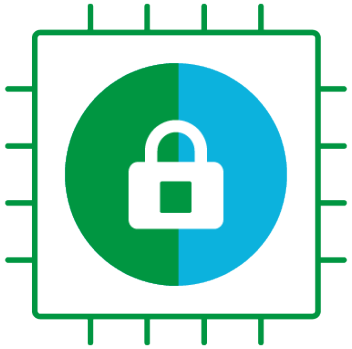
Contributing to around 200 Open Source projects

arm KEIL
arm MBED
CMSIS COMPLIANT
GCC
Zephyr™
freeRTOS
Linux
LITE IoT/EMBEDDED
openembedded

500+

110 Arm-based boards

Building secure foundations



Trustedfirmware.org

Software

Secure World

Collaborating across the ecosystem

top three contributors

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arm


arm
Thank You
Danke
Merci
谢谢
ありがとう
Gracias
Kiitos
감사합니다
धन्यवाद
תודה
We believe that the whole is greater than the sum of its parts.