

Arm Limited is a subsidiary of  SoftBank

Arm technology development accelerated by SoftBank acquisition

Ian Thornton, Head of Investor Relations

Tokyo

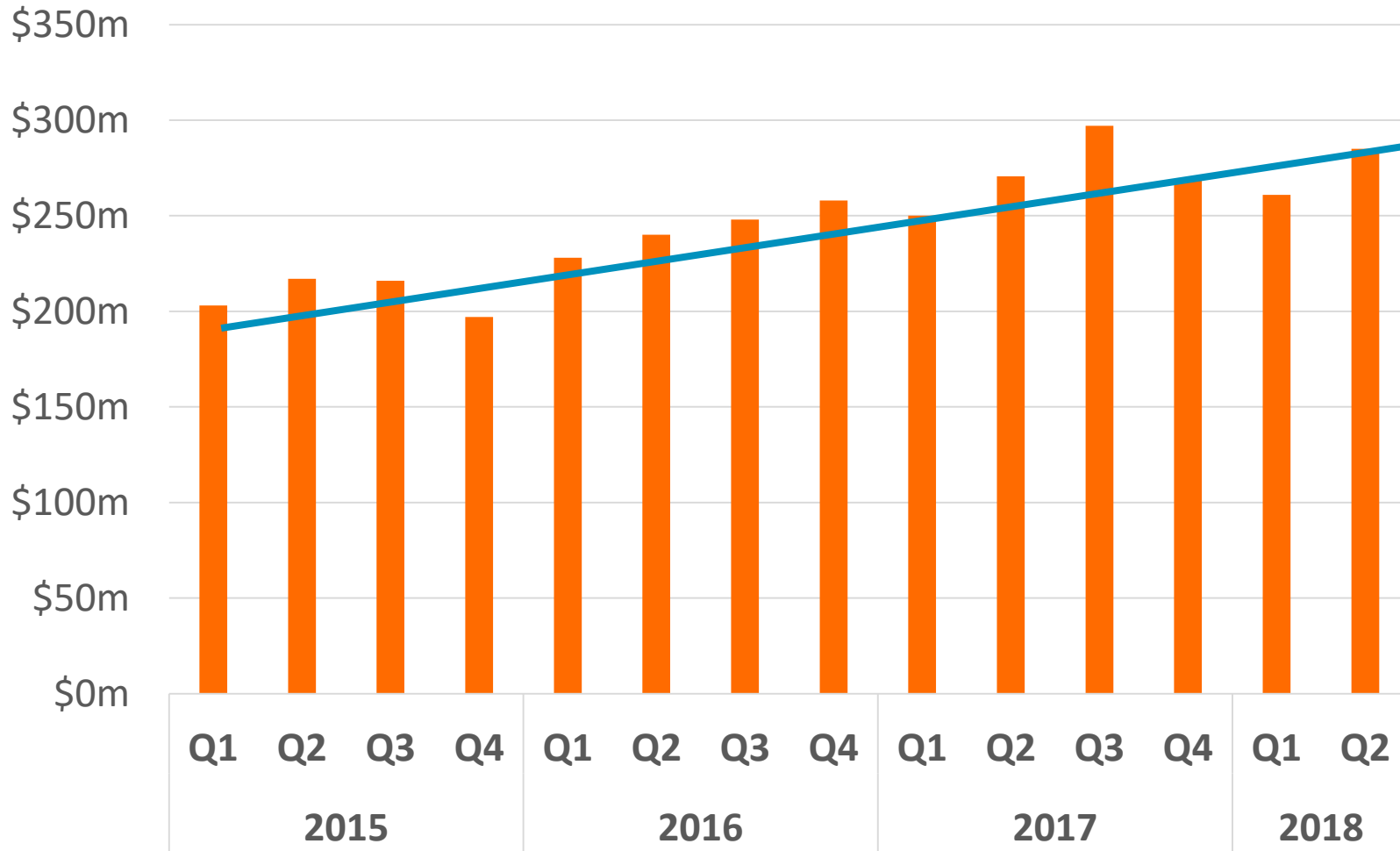
5 December 2018

Arm update

- Financial Update
- Arm China Update
- New approach to investment following SoftBank acquisition
- New technologies that will provide basis for future growth
 - Laptops, servers and automotive
 - New IoT SaaS business

Financial Update

H1 2018: Royalty



Consistent 11% CAGR

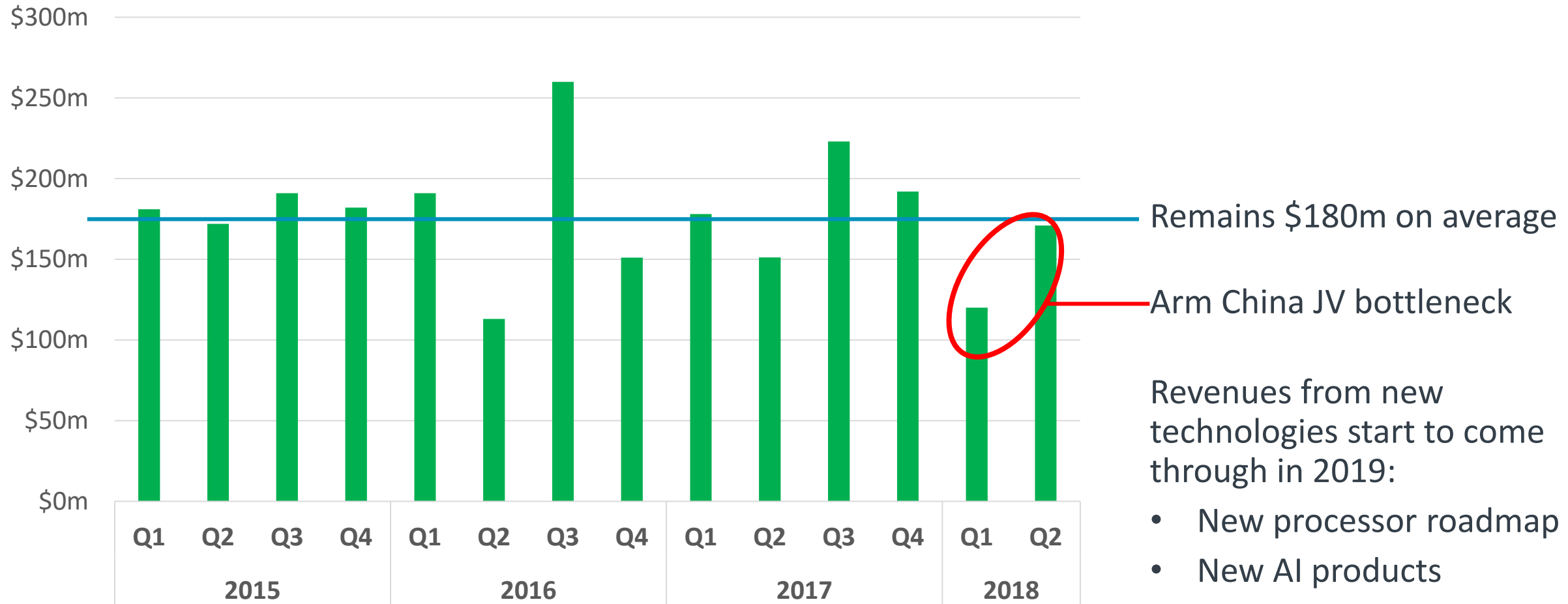
Smartphone growth has slowed

IoT is still very low volumes

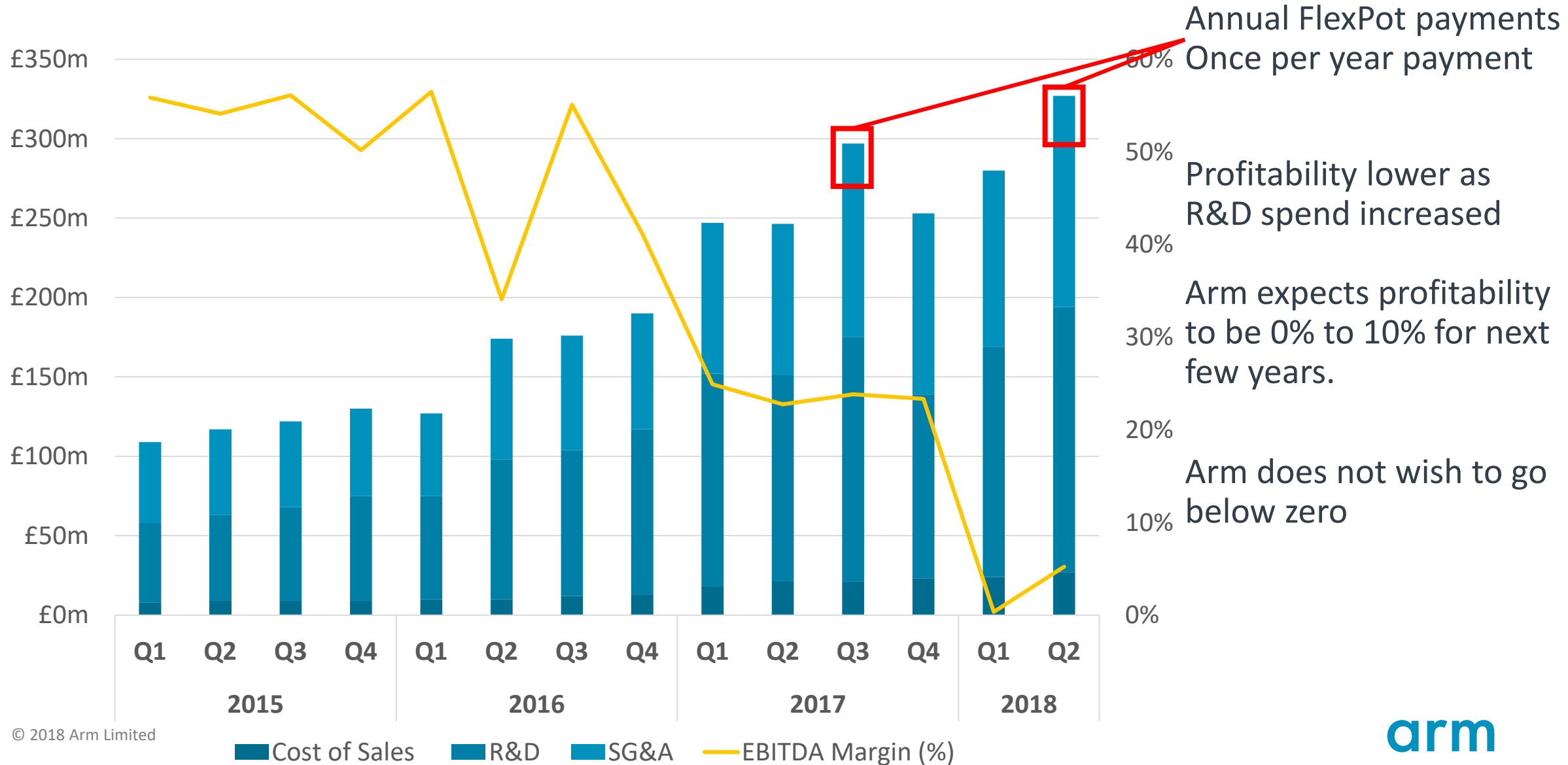
Arm based servers is very encouraging

New royalties from new technologies expected first in 2020 and to become meaningful in 2022

H1 2018: Non-Royalty (Technology Licensing and Software)



H1 2018: Investments and profitability



Arm China JV Update

Establishing Arm China JV in Fiscal H1 2018

Building a bigger business; built on strong foundations

>150

Licensees

10bn

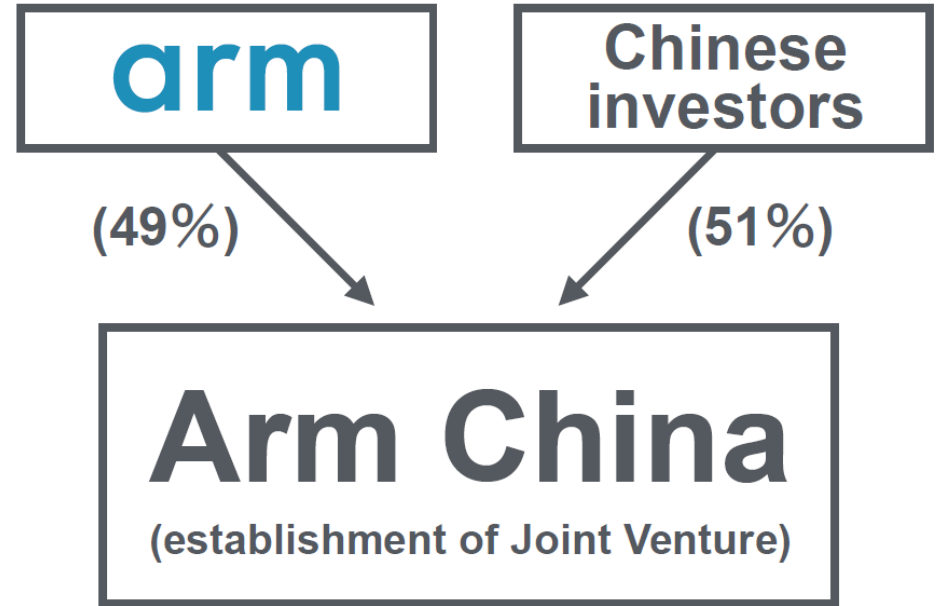
Chips shipped by Chinese partners using
Arm processor technology

95%

Chinese designed SoC based on
Arm processor technology

x140

Growth in volume shipment by Chinese
partners 2006-2017



Arm China will be able to better access new local technology opportunities, especially in server, smart meter/grids and IoT

Establishing Arm China JV in Fiscal H1 2018

Building a bigger business; built on strong foundations

>150

Customers to novate from
Arm Limited to Arm China

341

Employees transferred
to Arm China in Q1

~20%

Arm's revenue came from
China in 2017

10-20

Licenses signed in a typical
quarter with Chinese customers

Arm China JV establishment was initiated in early Q1 2018 and completed at the end Q1

Novation (transfer) process of historical contracts resulted in a delay to contract signing in H1 2018

90% of contracts novated by end of H1 2018

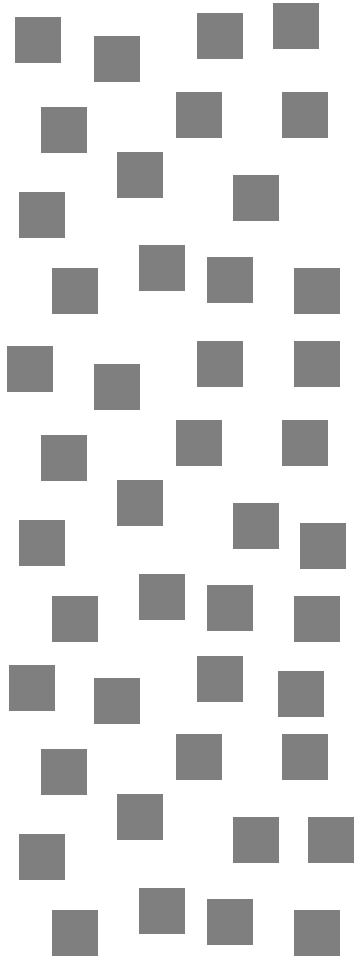
Arm China expected to be “business as usual” by end of Fiscal Year

Significant proportion of future revenues
will be passed back to Arm Limited

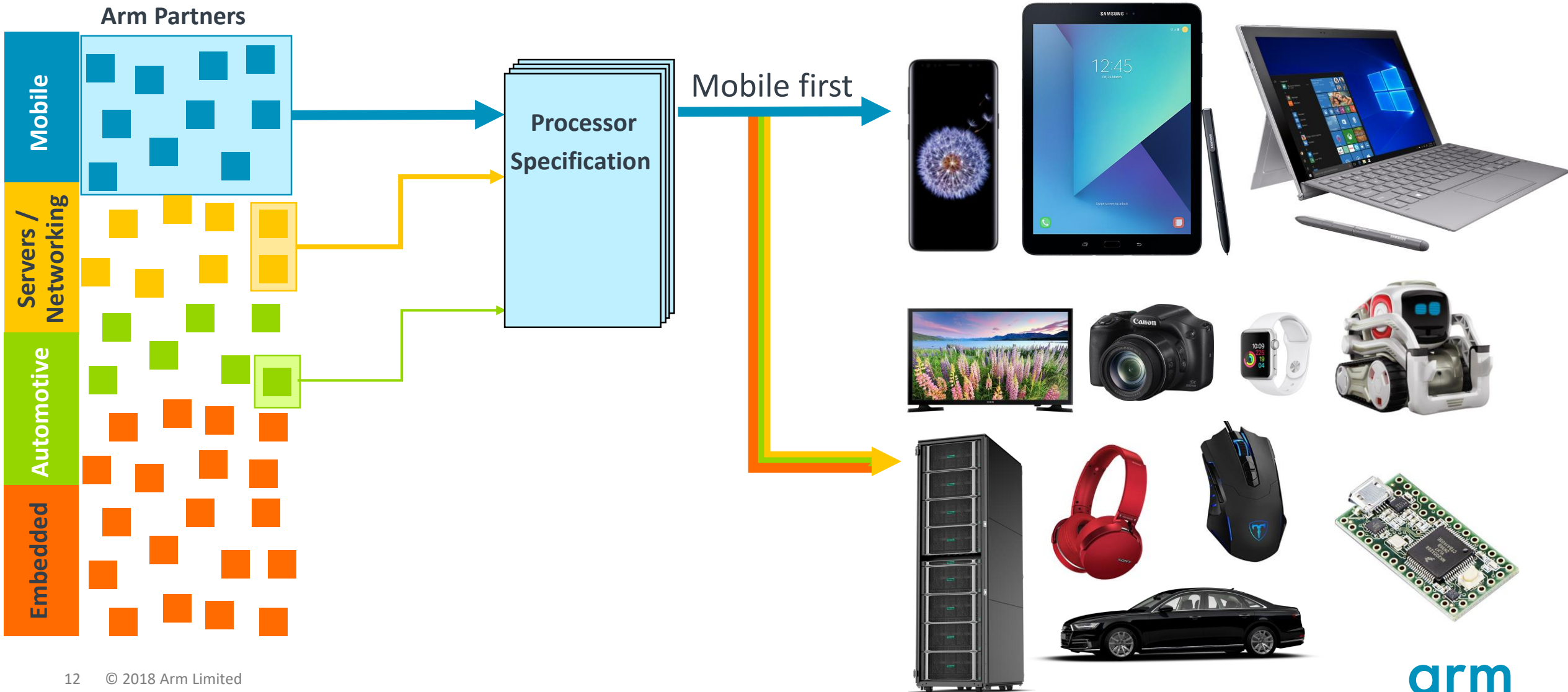
New approach to investment

Historic approach for high-performance processors

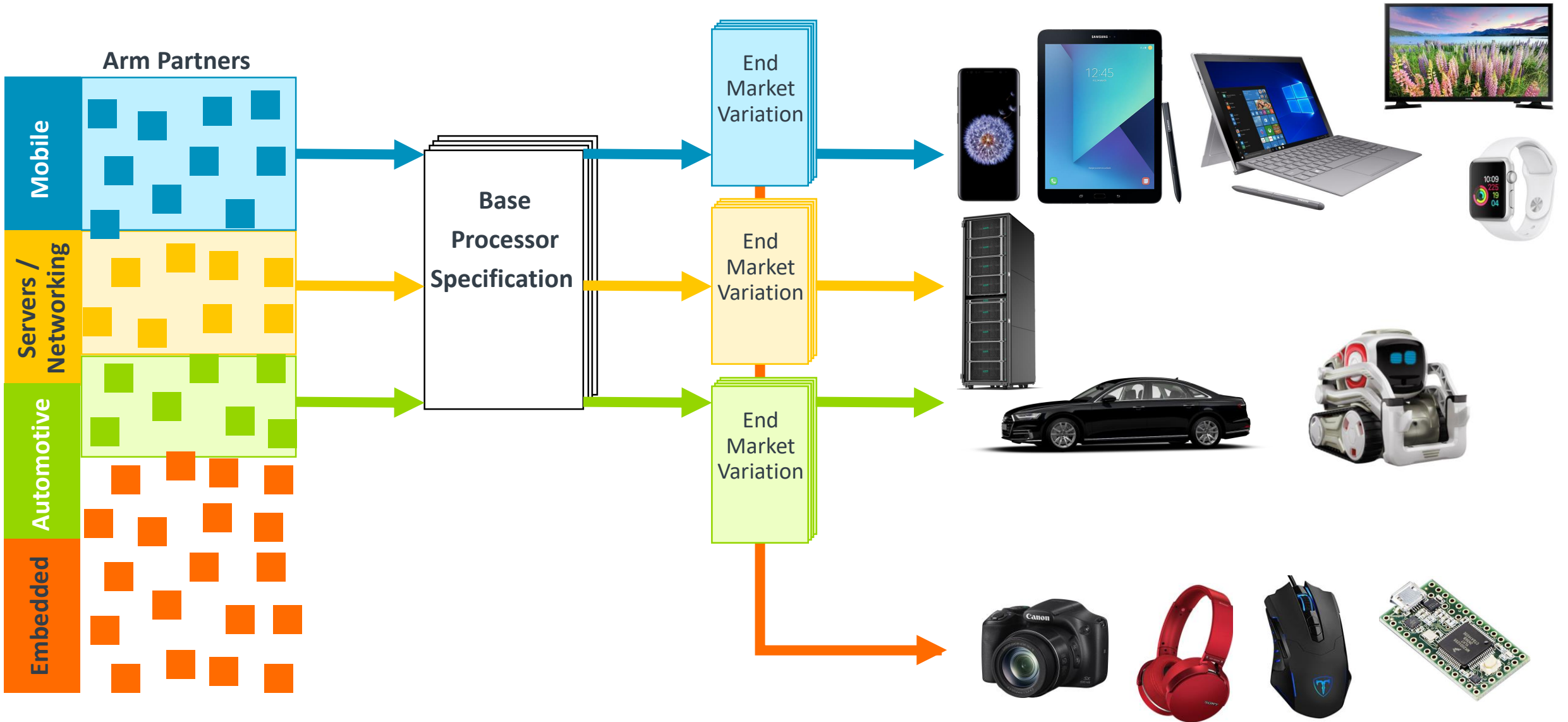
Arm Partners



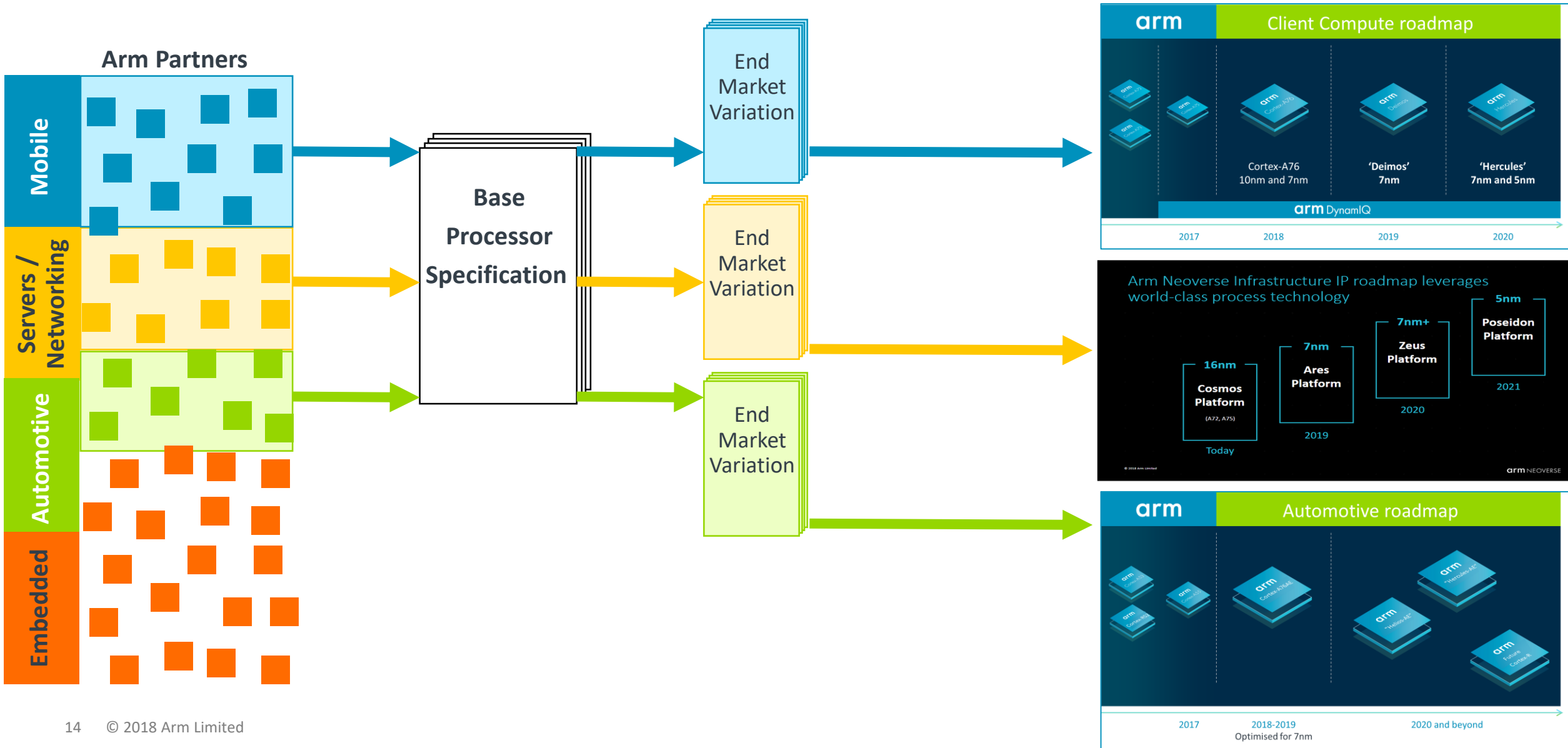
Historic approach for high-performance processors



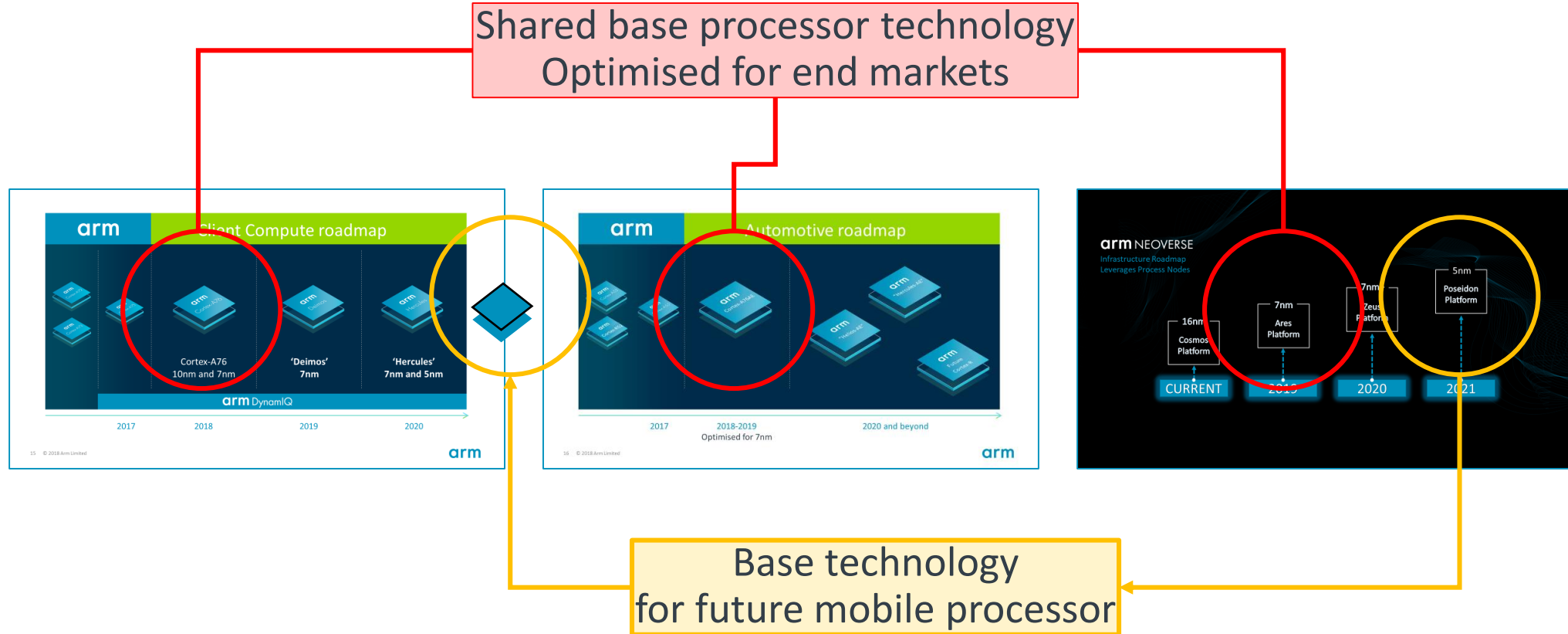
New approach for high-performance processors



New approach for high-performance processors



New approach to investment

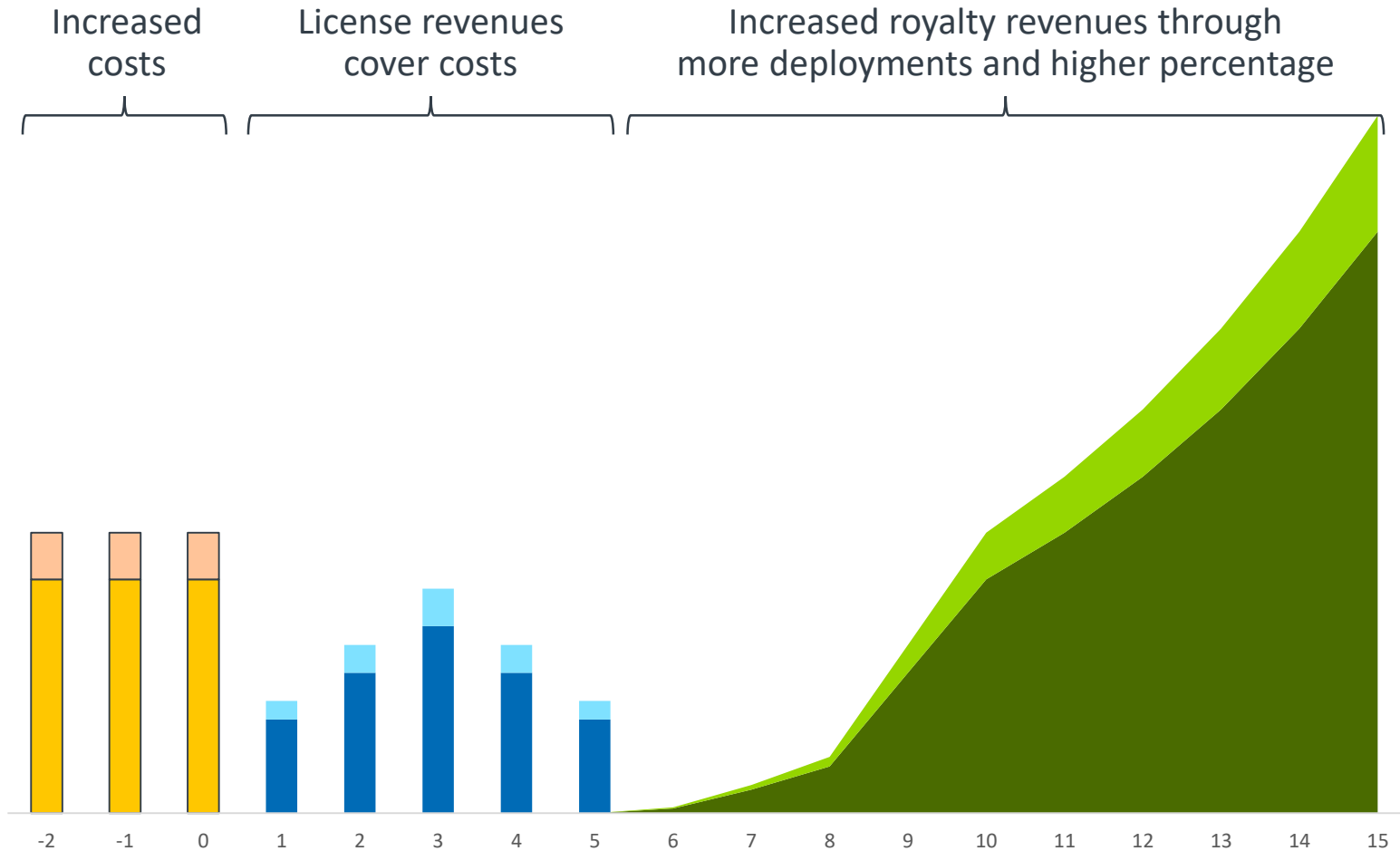


Adds 10%-20% to development costs

Higher development costs expected to be covered by higher licensing fees

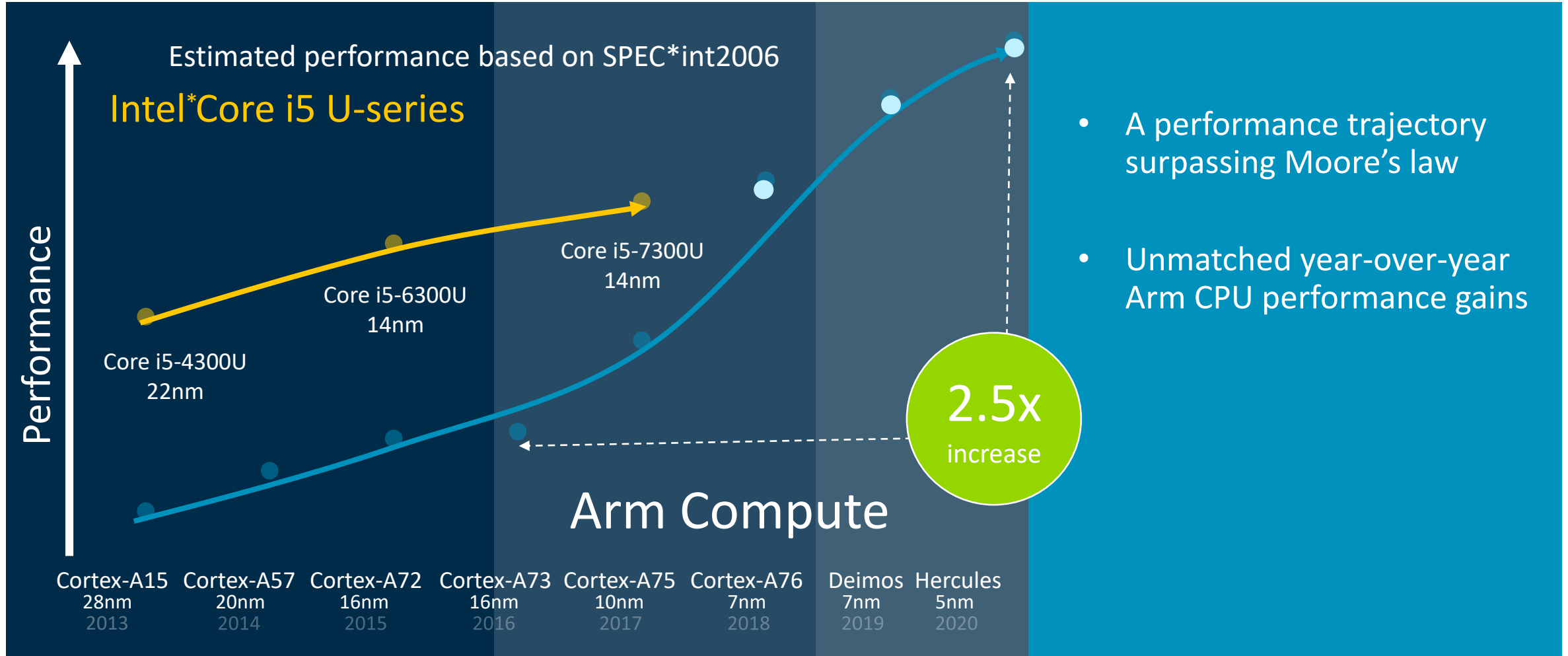
Higher long-term profitability expected from higher future royalty fees

Increased development costs offset by increased revenues



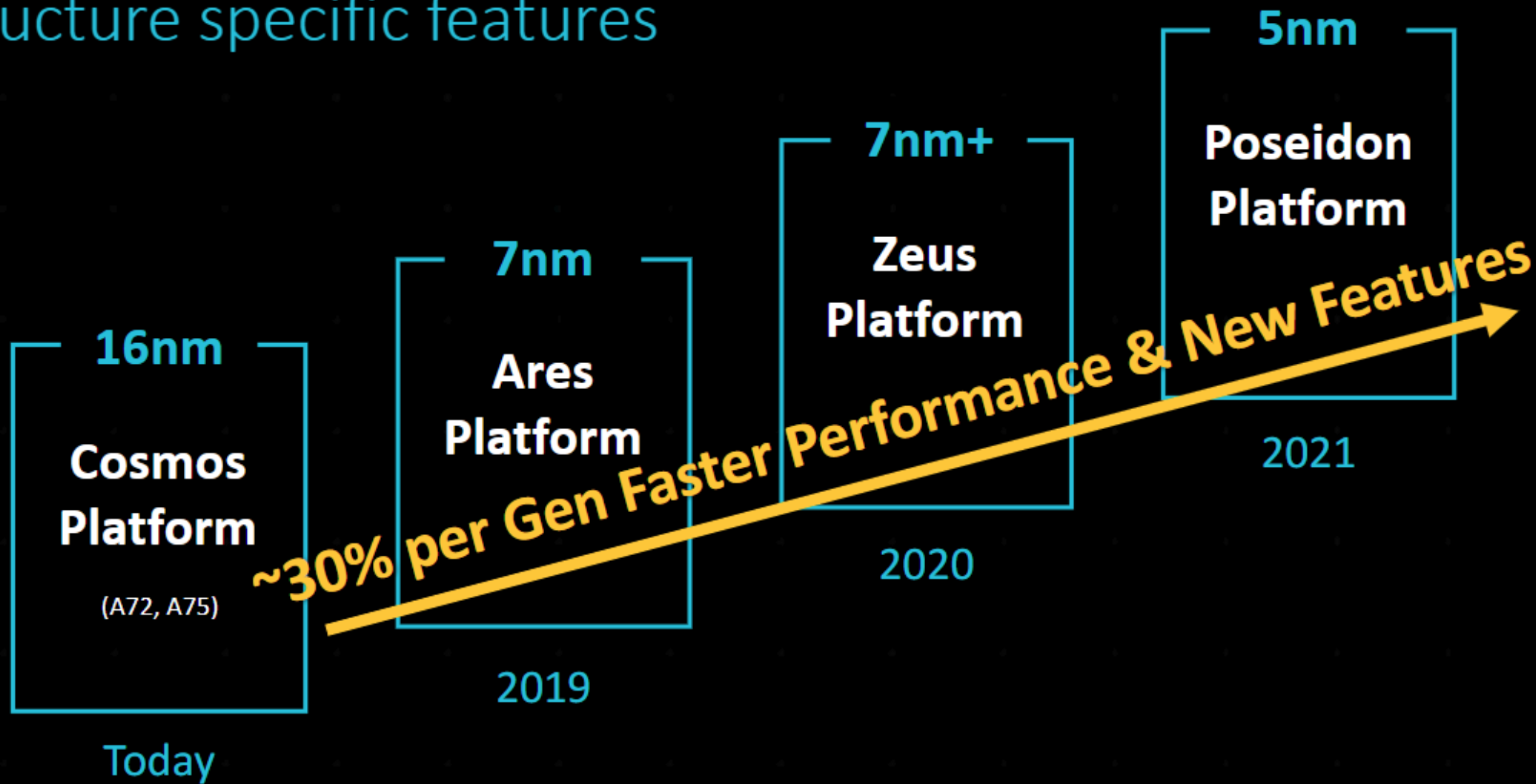
New roadmaps
optimised for
specific end markets

Arm processor roadmap for laptops and computing



Measured estimates on SPECint*_base2006 (SPECspeed* Integer component of SPEC CPU* 2006) on Intel Core i5-7300U, Core i5-6300U, Core i5-4300U, Arm single-core performance estimated for compute platform. Results are measured estimates using specific computer systems, software, components, operations, and functions and changes to any of these factors will cause the results to vary.

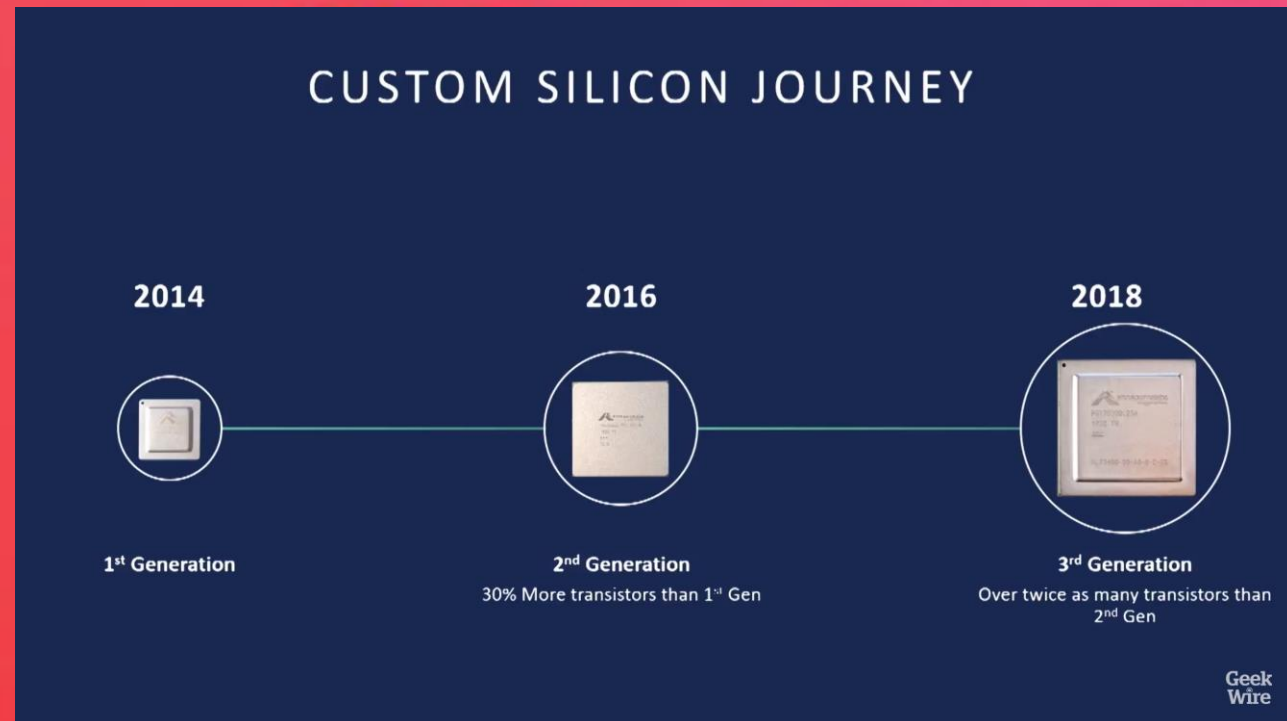
Each generation brings faster performance and new infrastructure specific features



Amazon's large-scale deployment of Arm-based servers

Instance Name	vCPUs	RAM	EBS Bandwidth	Network Bandwidth	On-Demand Price/Hour US East (N. Virginia)
a1.medium	1	2 GiB	Up to 3.5 Gbps	Up to 10 Gbps	\$0.0255
a1.large	2	4 GiB	Up to 3.5 Gbps	Up to 10 Gbps	\$0.0510
a1.xlarge	4	8 GiB	Up to 3.5 Gbps	Up to 10 Gbps	\$0.1020
a1.2xlarge	8	16 GiB	Up to 3.5 Gbps	Up to 10 Gbps	\$0.2040
a1.4xlarge	16	32 GiB	3.5 Gbps	Up to 10 Gbps	\$0.4080

45%
cheaper
than x86

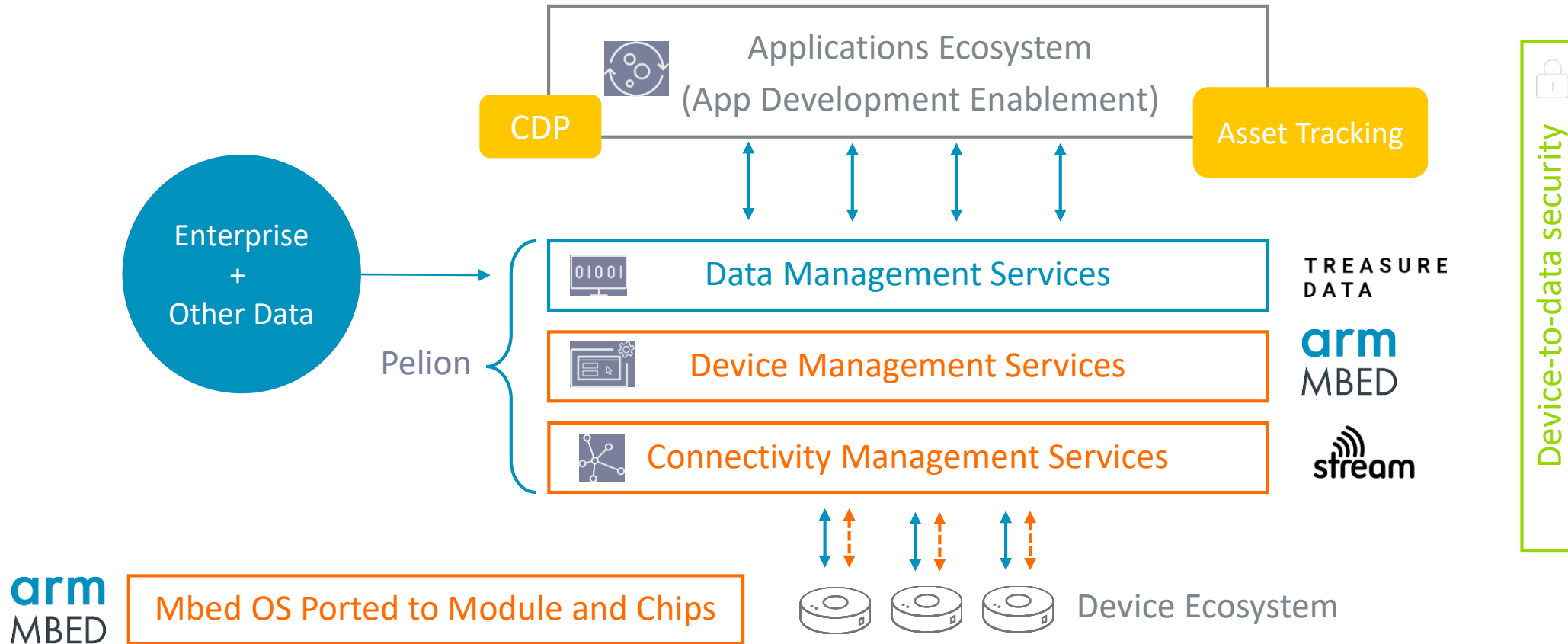




New business for IoT SaaS

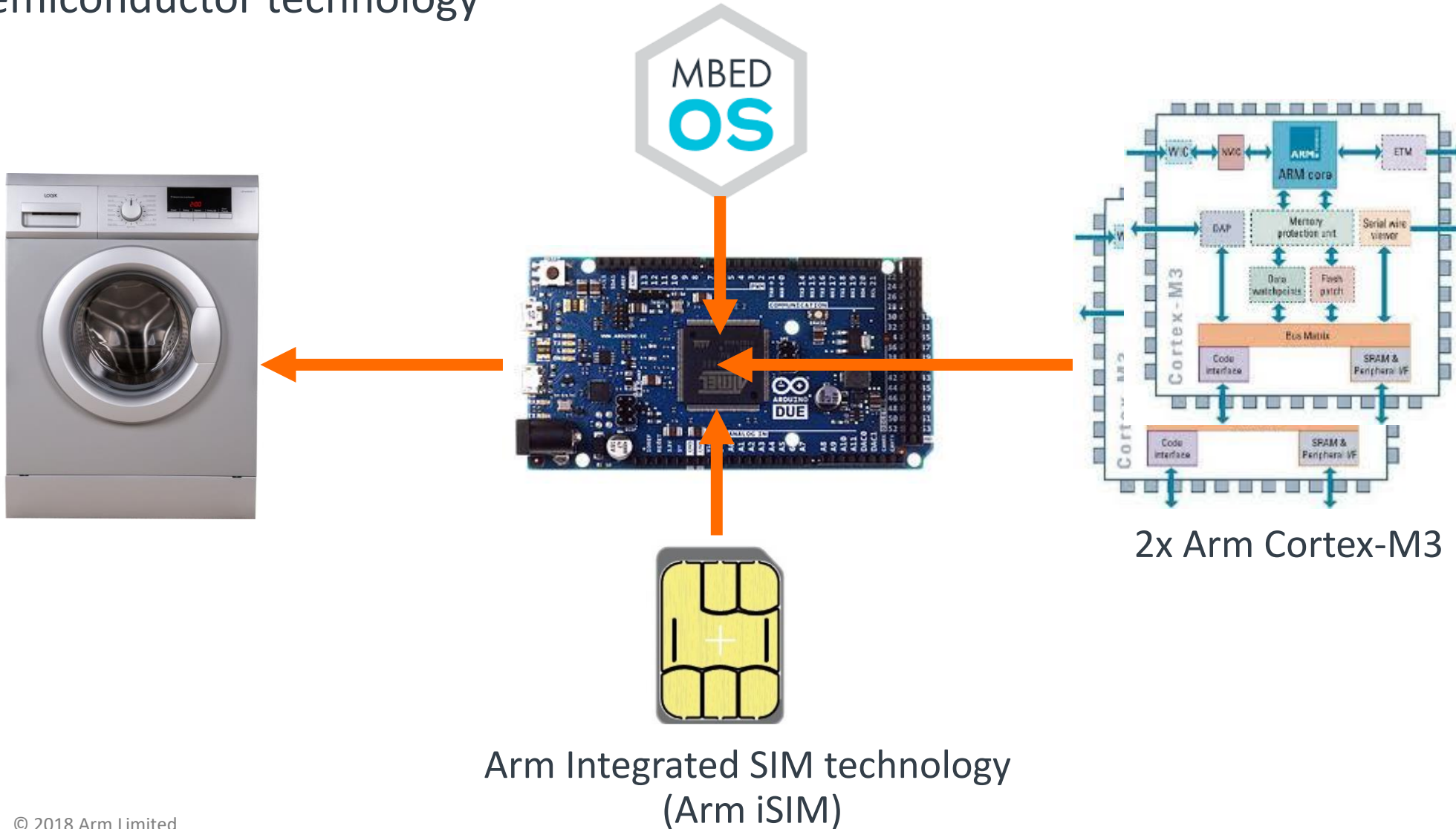
Arm Pelion IoT Platform

End-to-end services built on Arm IPG+ISG security framework



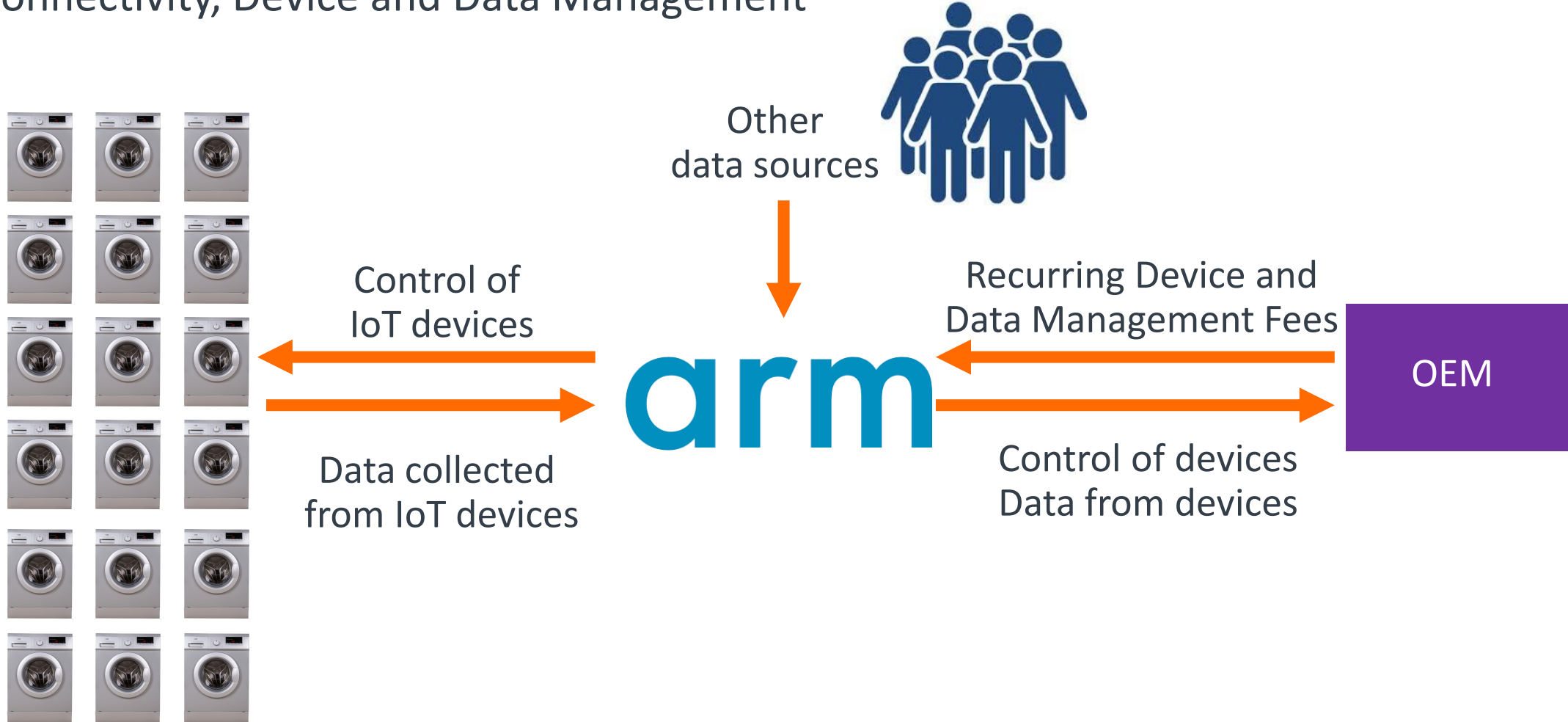
Example – How Arm could make money from IoT

Semiconductor technology



Example – How Arm could make money from IoT

Connectivity, Device and Data Management



Arm IoT Services Group (ISG)

Secure and scalable innovation from
Device to Data

- + > 30 PB of customer data managed
- + > 2 million records per second ingested
- + > 300K queries per day
- + 55 TB network data flow per month
- + Smart grid technology partnership with
KEPKO, the largest electric power utility in
South Korea



800+
customers

140+
Ecosystem partners



350k+
Developers

Conclusion

Arm is executing on its plan to reinvest all revenues back into the business

- Annual adjusted EBITDA margin expected to remain in 0-10% range

Increased investment has enabled Arm to develop

- Develop more technology products
- Develop more advanced and valuable technology
- Enter new markets with new technology

New revenues from new products expected to significantly accelerate Arm future growth

arm

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