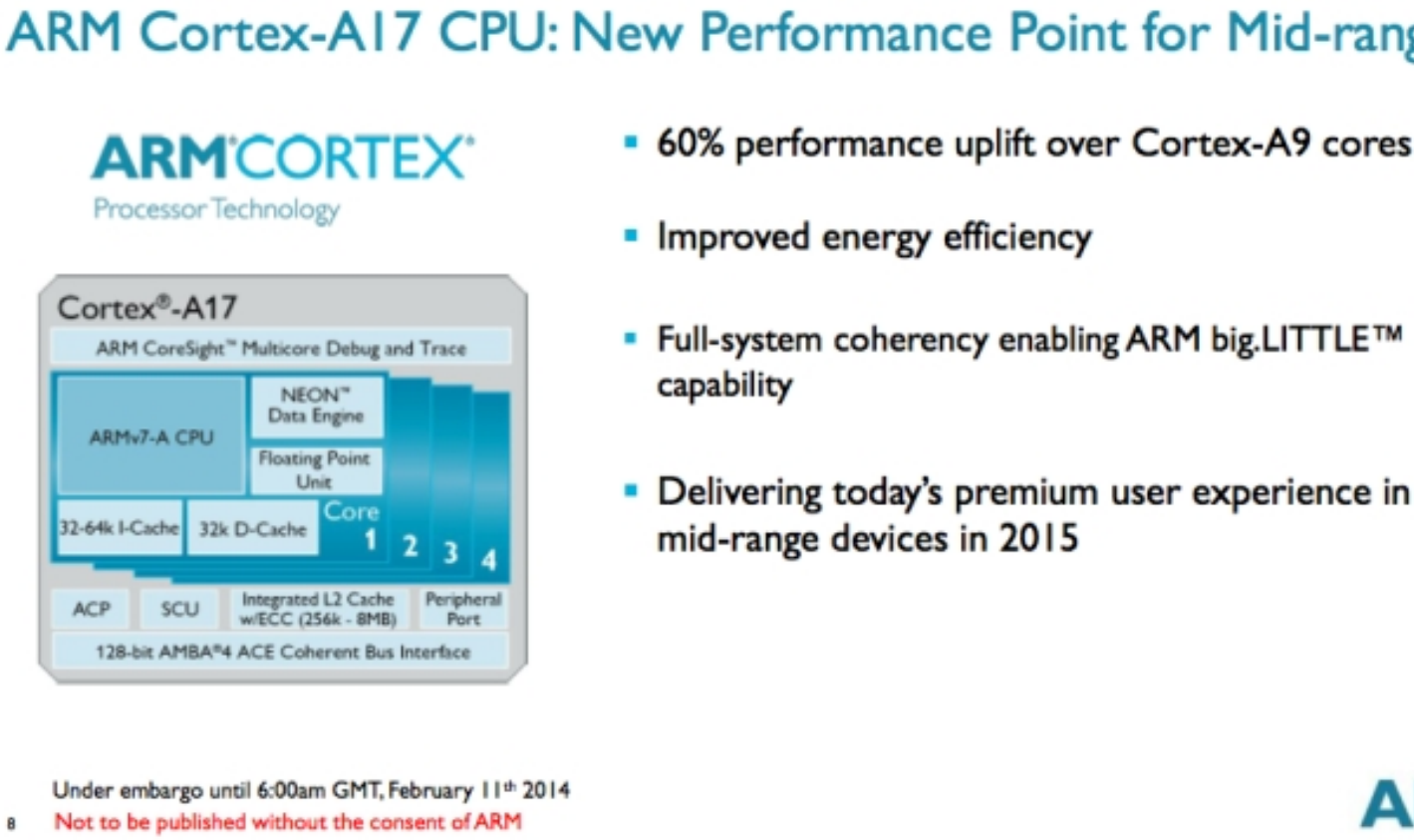
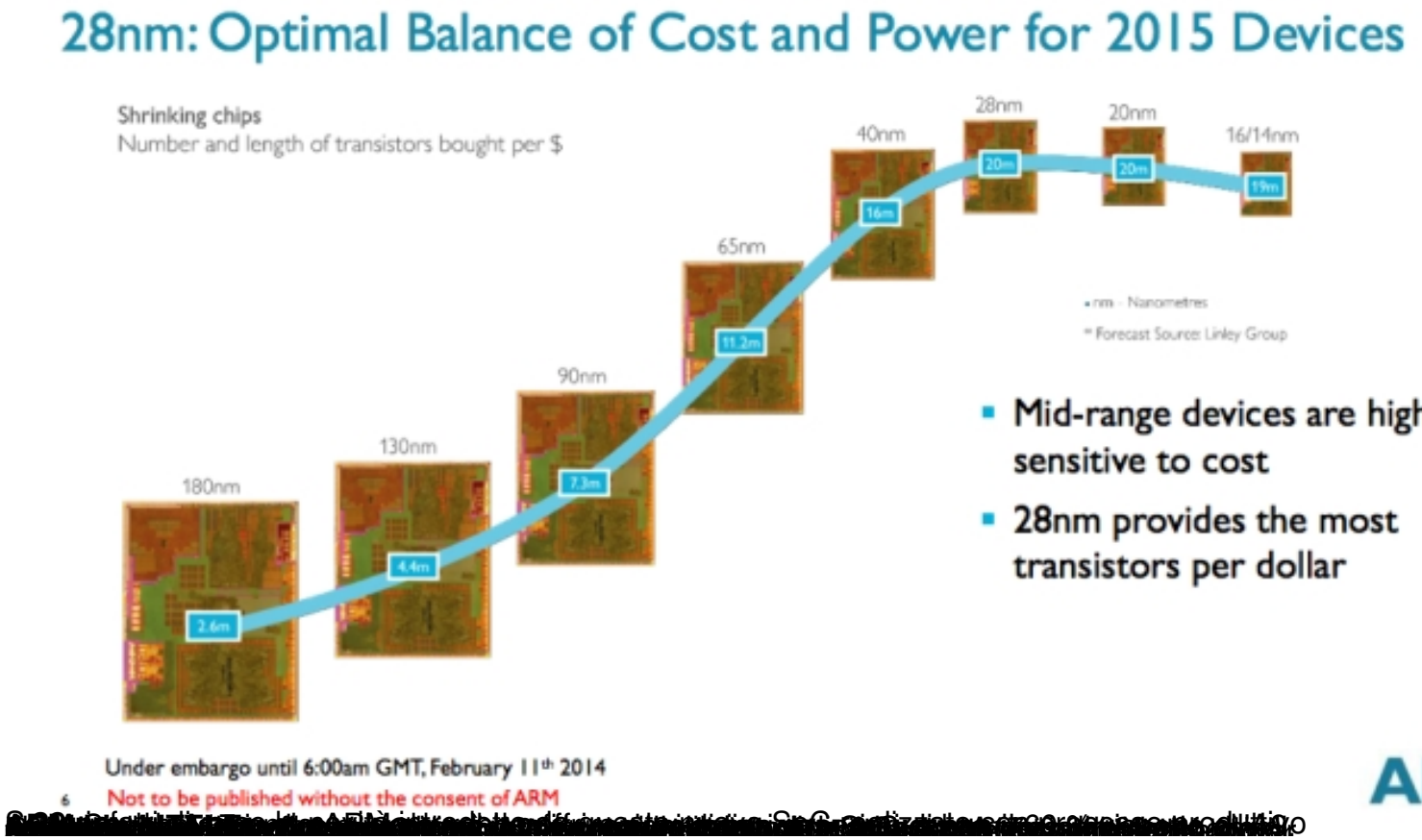
Continua senza sosta l'opera di rinnovamento delle proprie architetture da parte di **ARM**, il chip designer di Sheffield, noto per le proprie soluzioni che non produce direttamente ma che dà in licenza ai vari chipmaker interessati. Dopo aver introdotto i nuovi System on a Chip top gamma Cortex A57 a 64 bit e i relativi companion a basso consumo Cortex A53, nonché le GPU Mali T720 e T760, ha annunciato oggi il nuovo **Cortex A17**, una soluzione mainstream che, nei piani di ARM, dovrebbe andare a sostituire nei prodotti di fascia media l'impiego dei Cortex A9, ormai un po' datati.




28nm: Optimal Balance of Cost and Power for 2015 Devices
Shrinking chips
Number and length of transistors bought per $
180nm
130nm
90nm
65nm
40nm
28nm
20nm
16/14nm
2.6m
4.4m
7.3m
11.2m
16m
20m
20m
19m
nm - Nanometres
Forecast Source: Linley Group
Mid-range devices are high
sensitive to cost
28nm provides the most
transistors per dollar
Under embargo until 6:00am GMT, February 11th 2014
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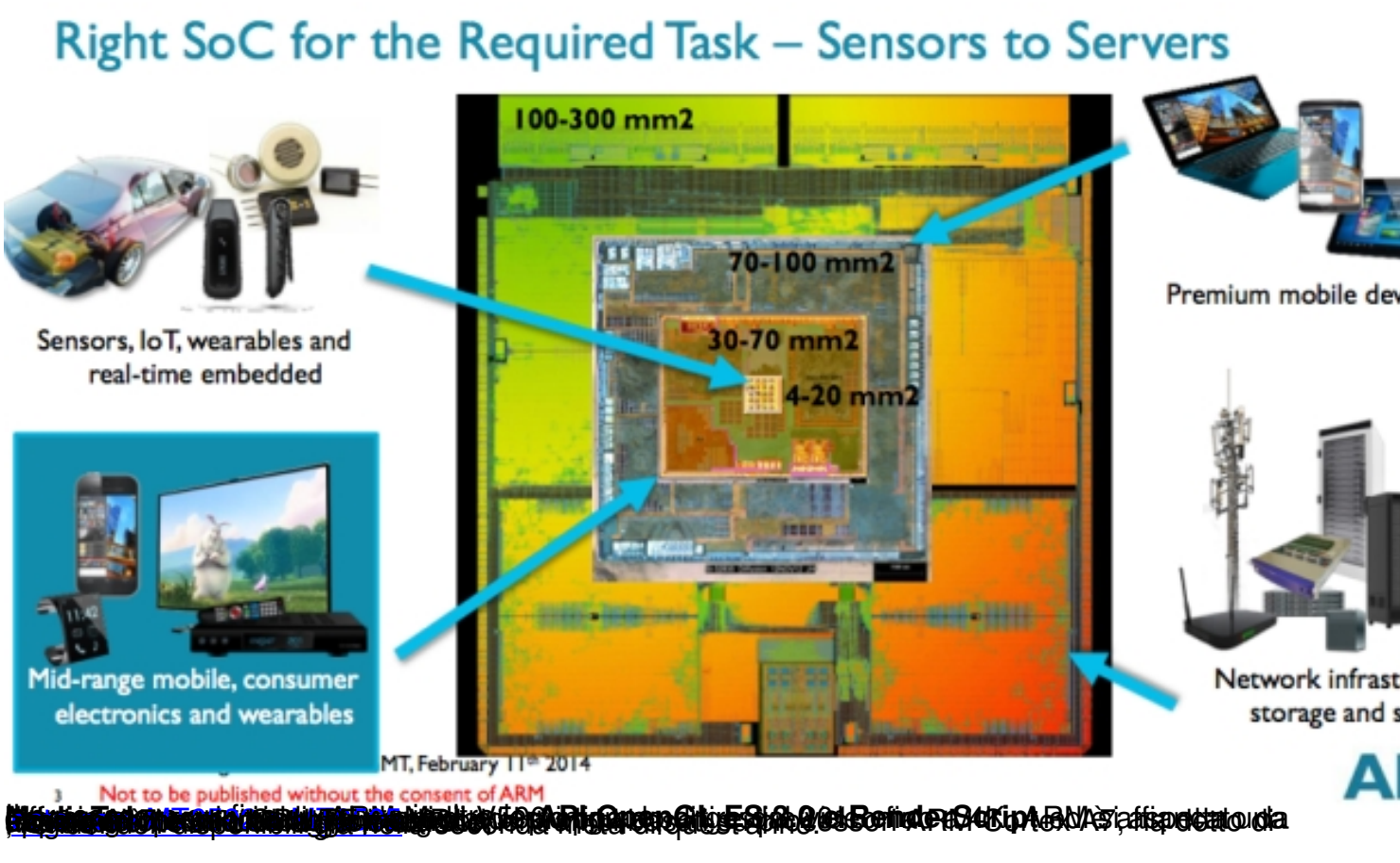
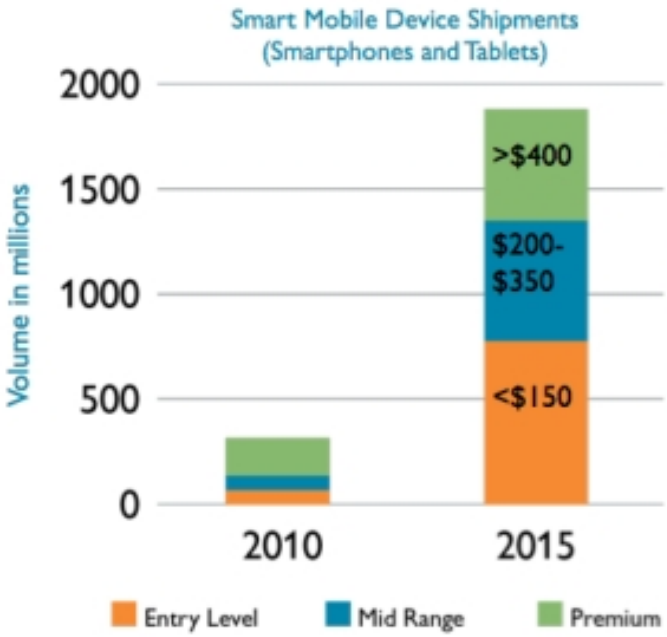

Right SoC for the Required Task – Sensors to Servers
100-300 mm2
70-100 mm2
30-70 mm2
4-20 mm2
Sensors, IoT, wearables and
real-time embedded
Mid-range mobile, consumer
electronics and wearables
Premium mobile dev
Network infrast
storage and s
MT, February 11th 2014
Not to be published without the consent of ARM

Targeted Solutions Required for All Markets



Latest features, greatest specs

Latest features, flexible specs to fit a budget

Affordability

Mid-range in 2015

- Over half a billion devices
  - 450M tablets an smartphones
  - 140M smart TV
- Wearables coming f all industries
- Automotive infotain and ADAS

Mixture of ARM and Gartner Estimates

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ARMv7-A Architecture Will Continue for Many Years

- Architectural transitions occur over 3 to 4 years
- Today, the installed base with ARM is over 2B smartphones
  - 1B smartphones shipped in 2013 alone
  - Expect more than 1B smartphones based on ARMv7-A architecture to ship in 2014
  - These devices have an average three-year lifespan
- ARMv7-A architecture will have an even longer life powering other screens
- Today, over 1M apps support the ARMv7-A architecture
- ARMv8-A architecture will still support ARMv7-A architecture applications

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