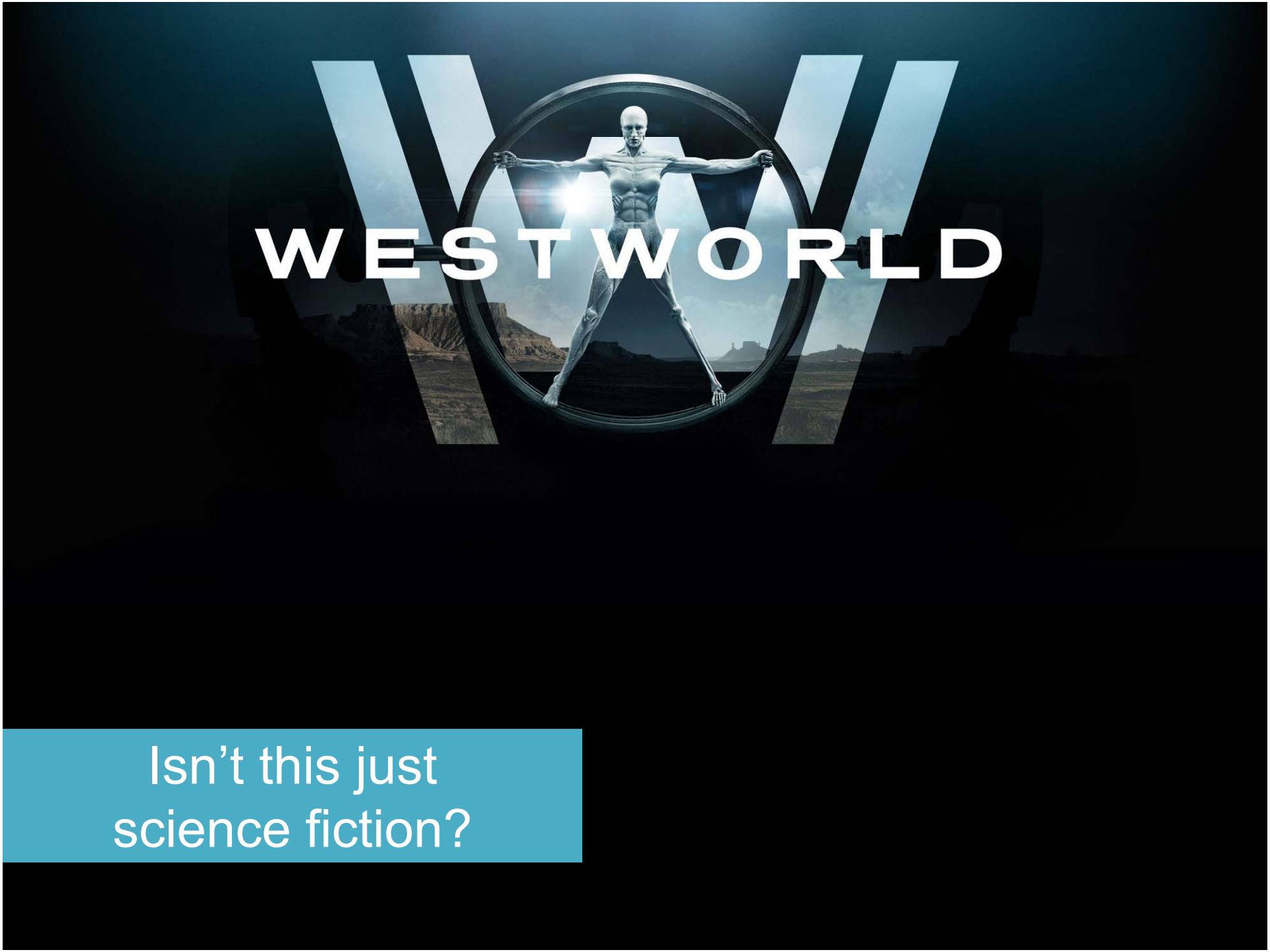
Management, Operations & Technology

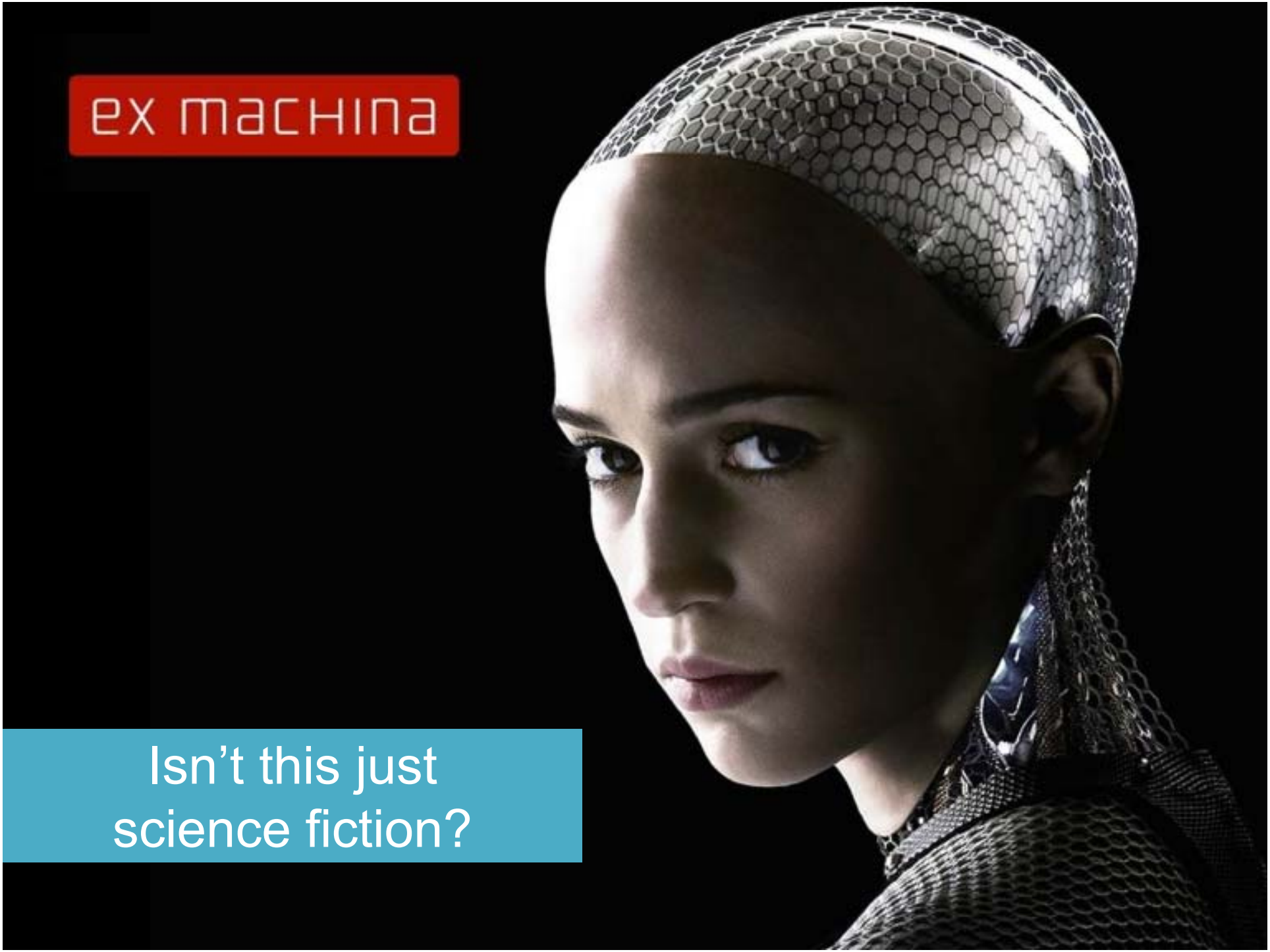
Robots, Exoskeletons, and Smart Homes

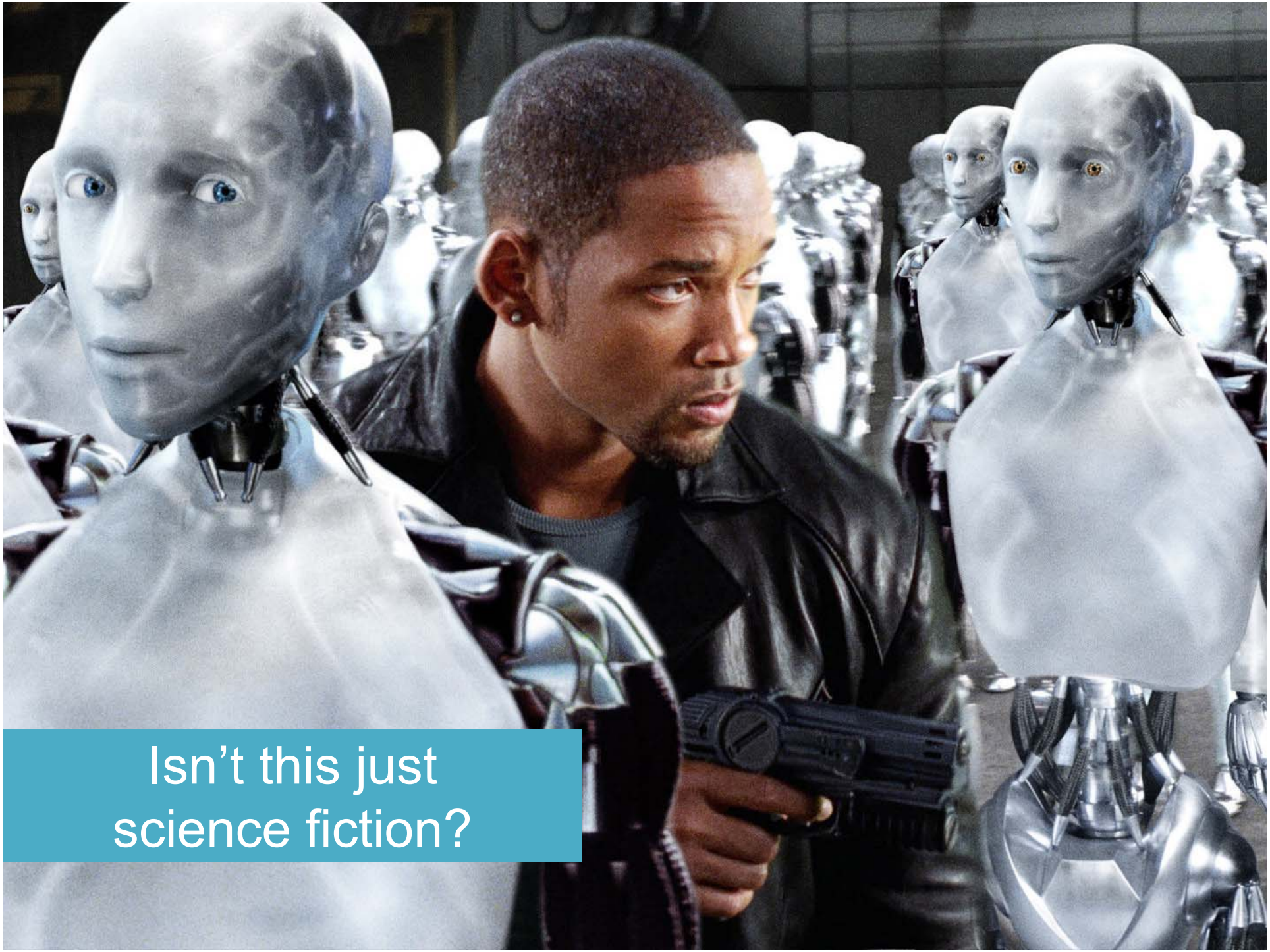
The Coming LTC Delivery Revolution

ILTCI



Isn’t this just science fiction?


ex machina
Isn’t this just
science fiction?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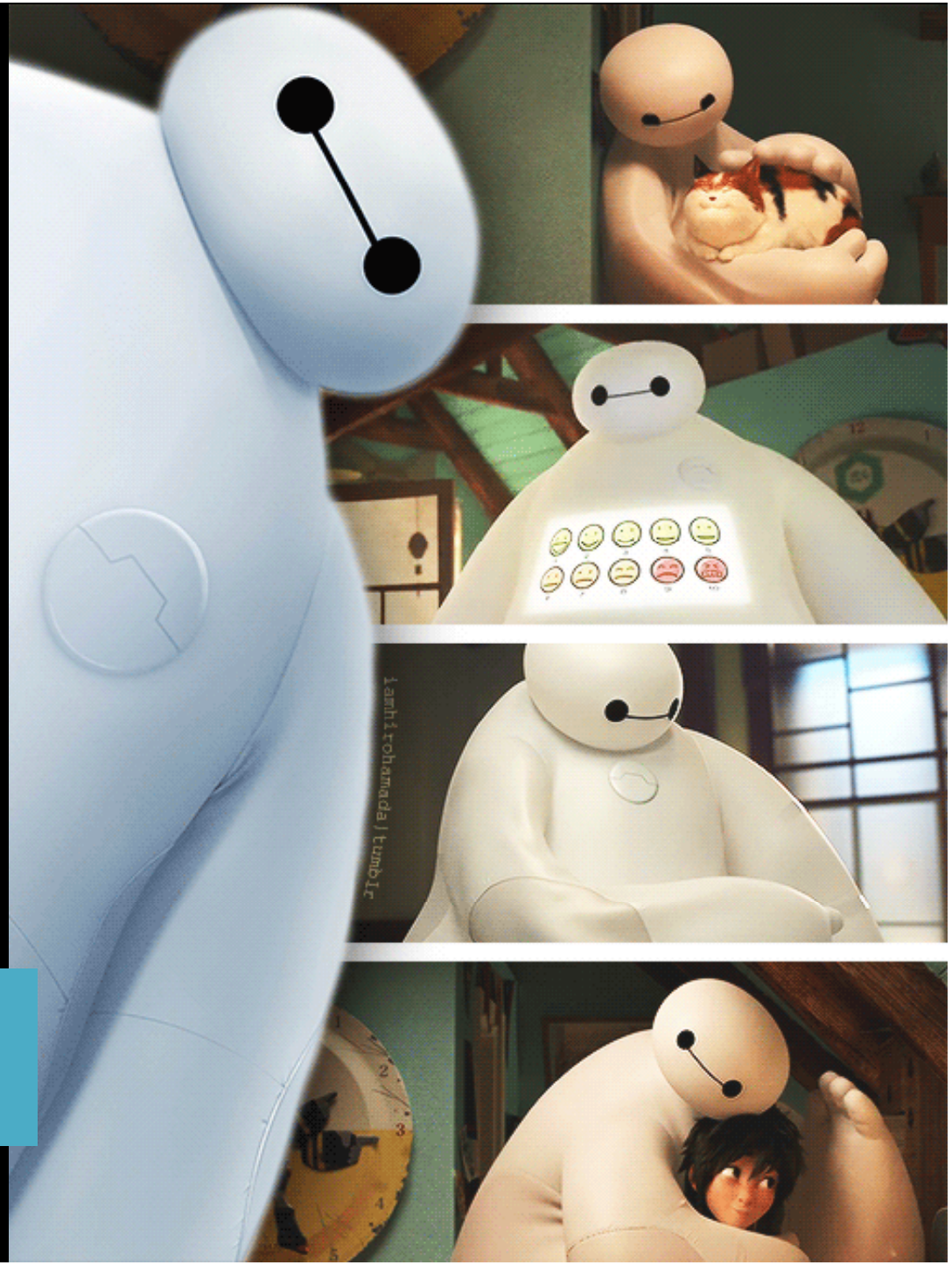
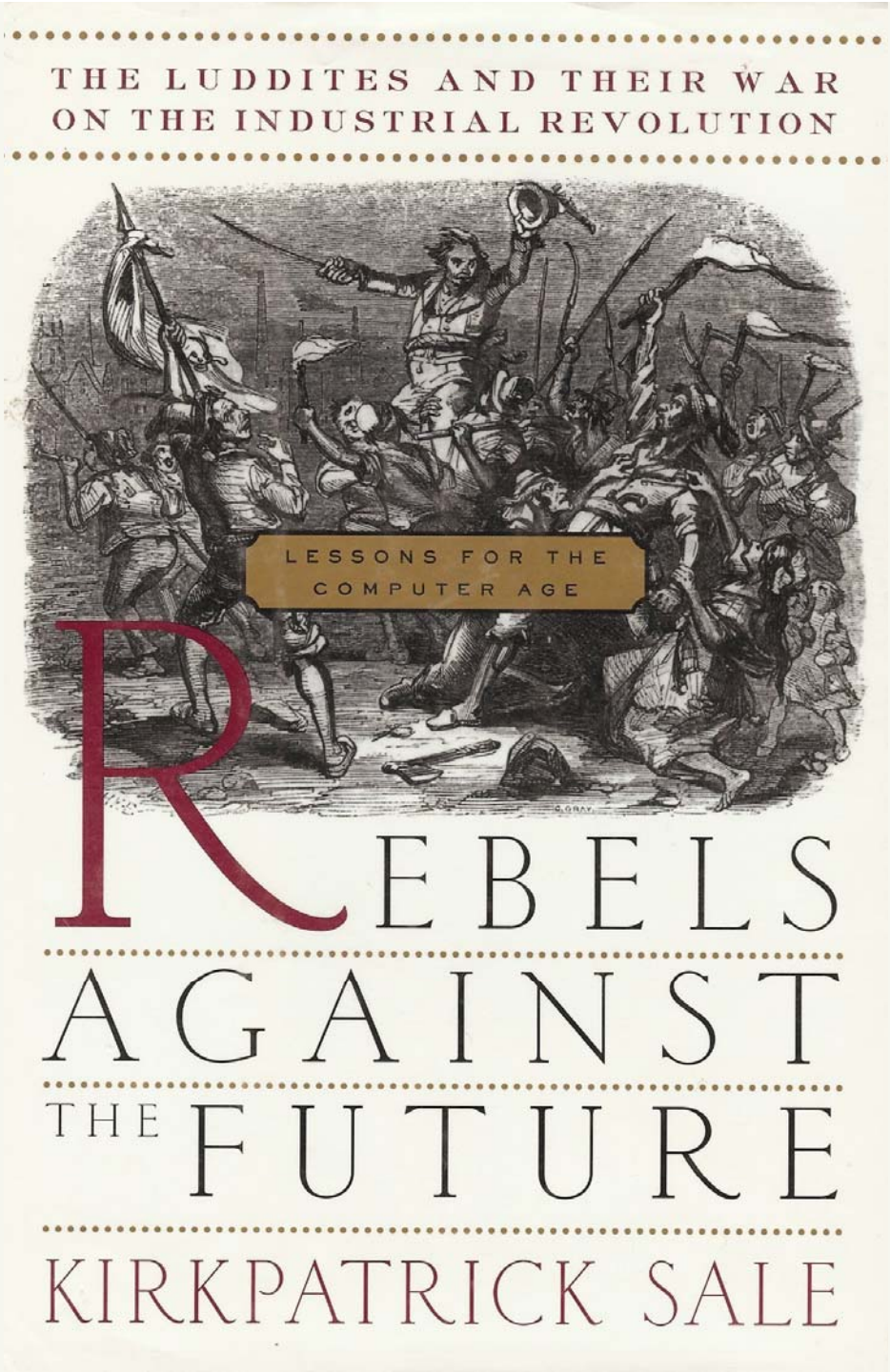
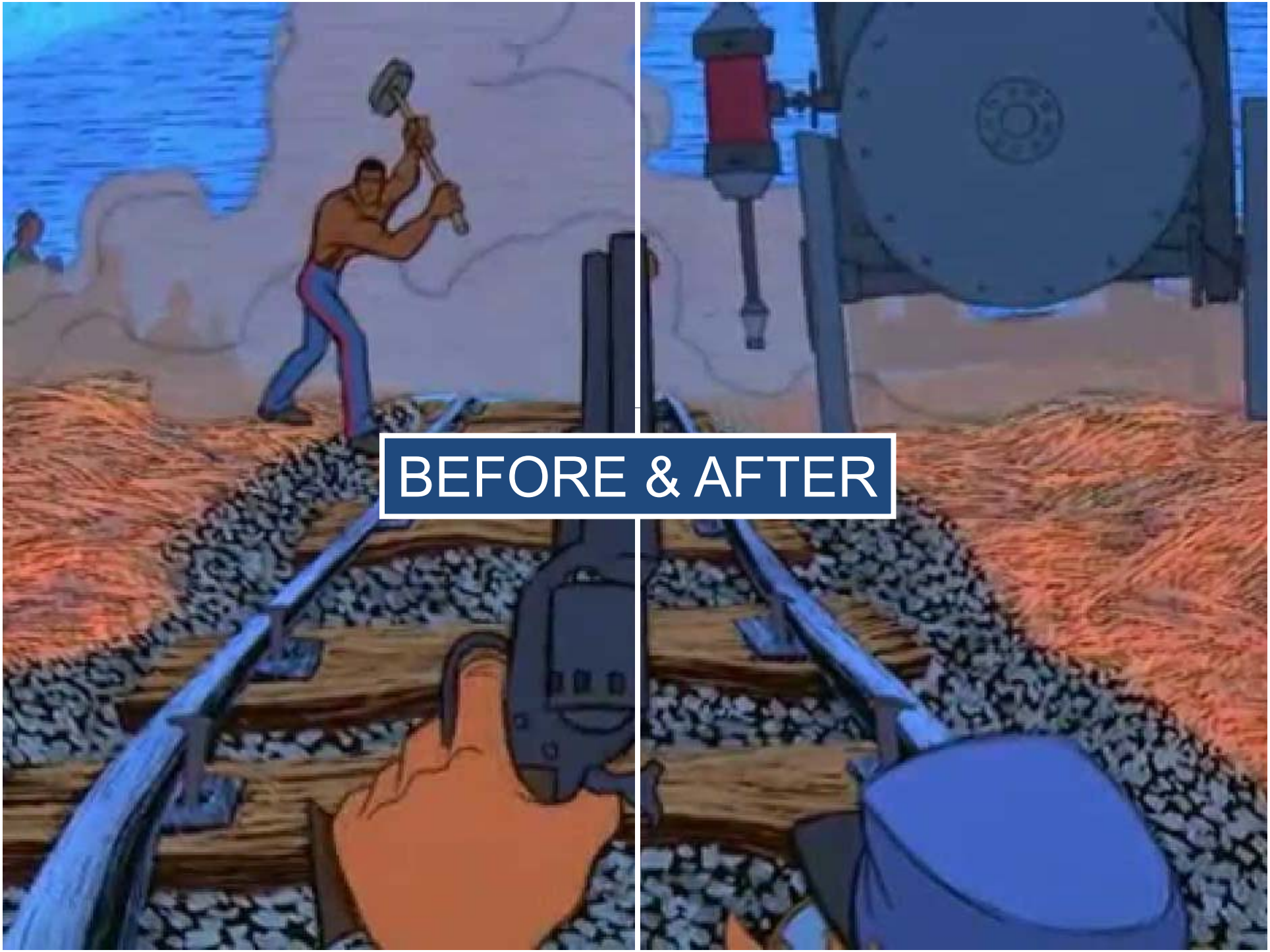




"But our industry is different…"

730
BEFORE & AFTER


BEFORE & AFTER

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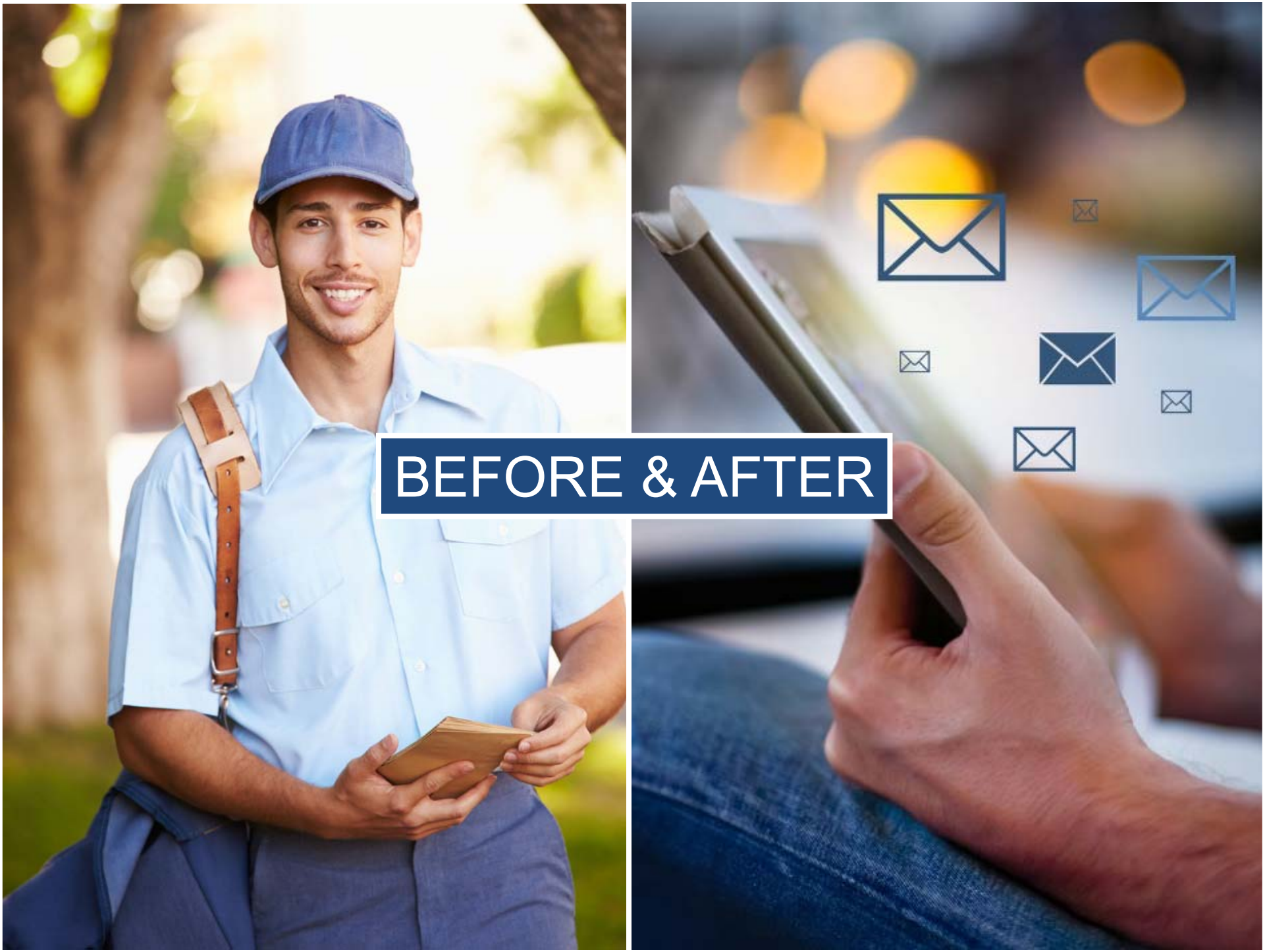
BEFORE & AFTER

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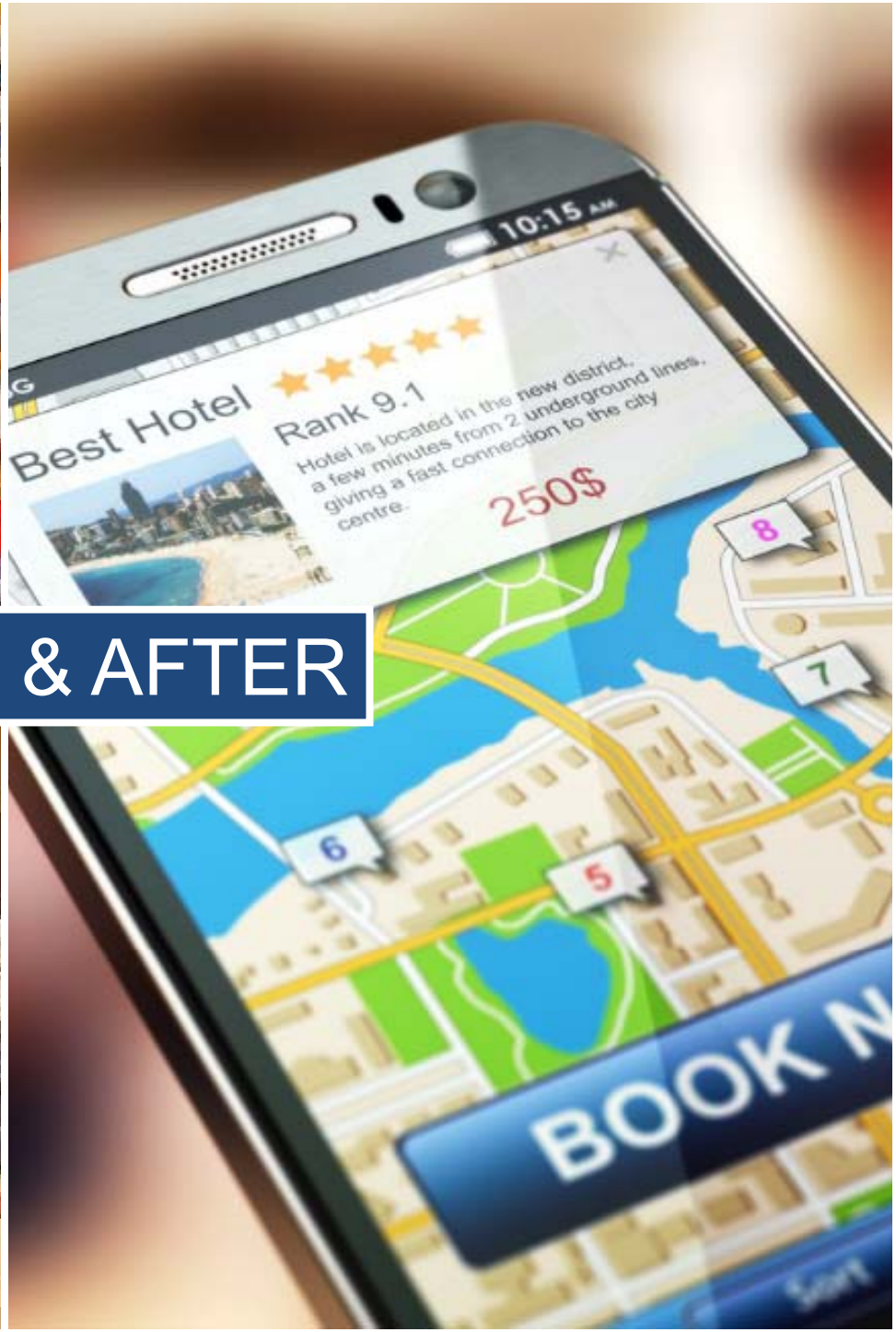


BEFORE & AFTER
14
E-ZPass
NO
CASH
15
E-ZPass
NO
CASH

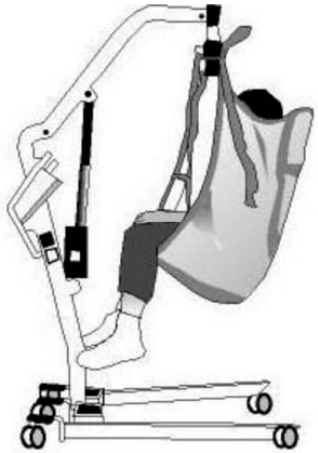
BEFORE & AFTER
EXIT
NETFLIX
SLEEP
GUIDE
RETURN
OPTIONS
HOME

BEFORE & AFTER

BEFORE & AFTER
COMING SOON

BEFORE & AFTER
COMING SOON

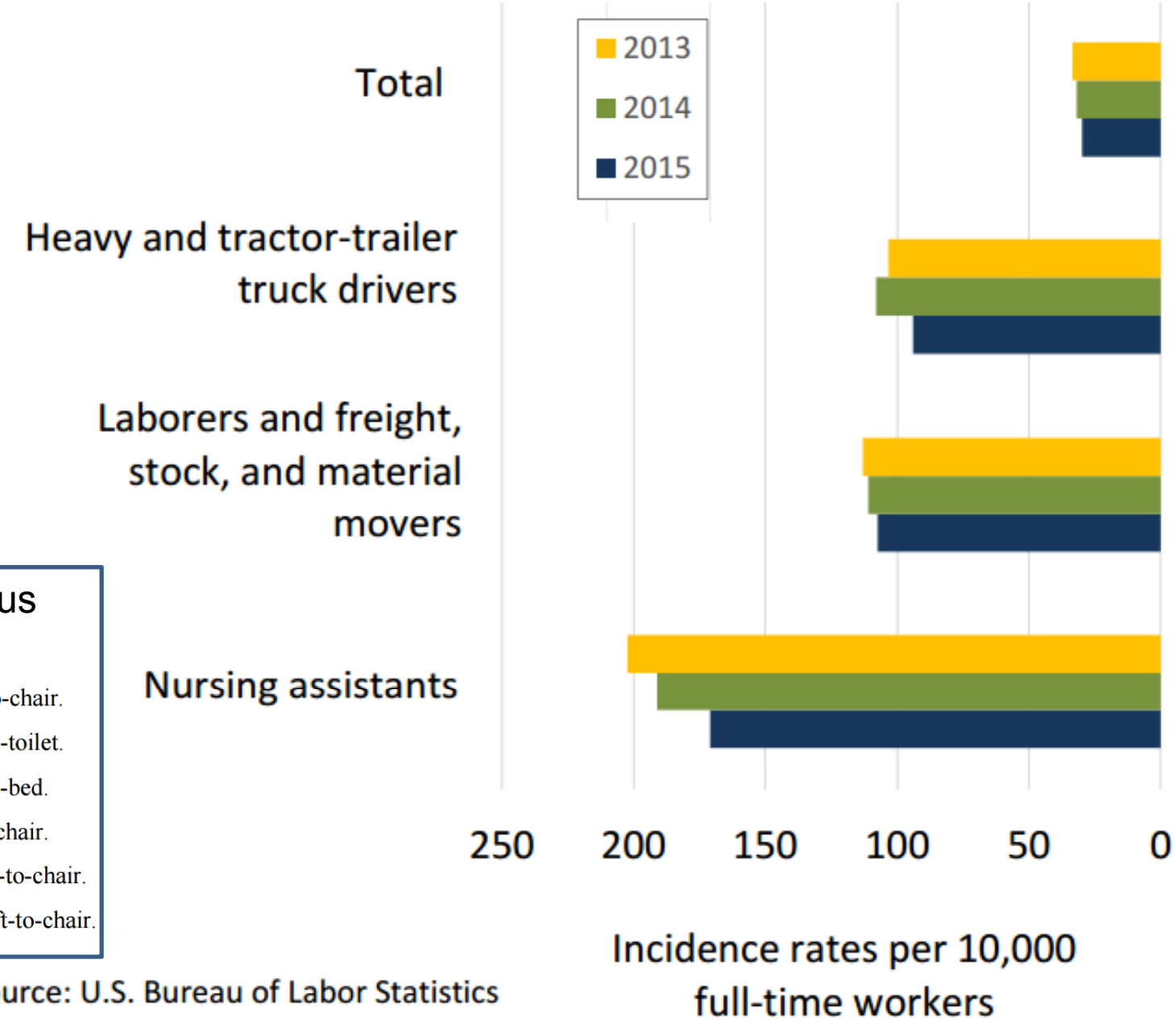
But We Already Have Assistive Technology!



Points to Remember: More than one caregiver is needed

Nursing & home care is still the #1 most dangerous workplace for non-fatal injuries

*This is despite No Lift policies and wide availability of assistive technology



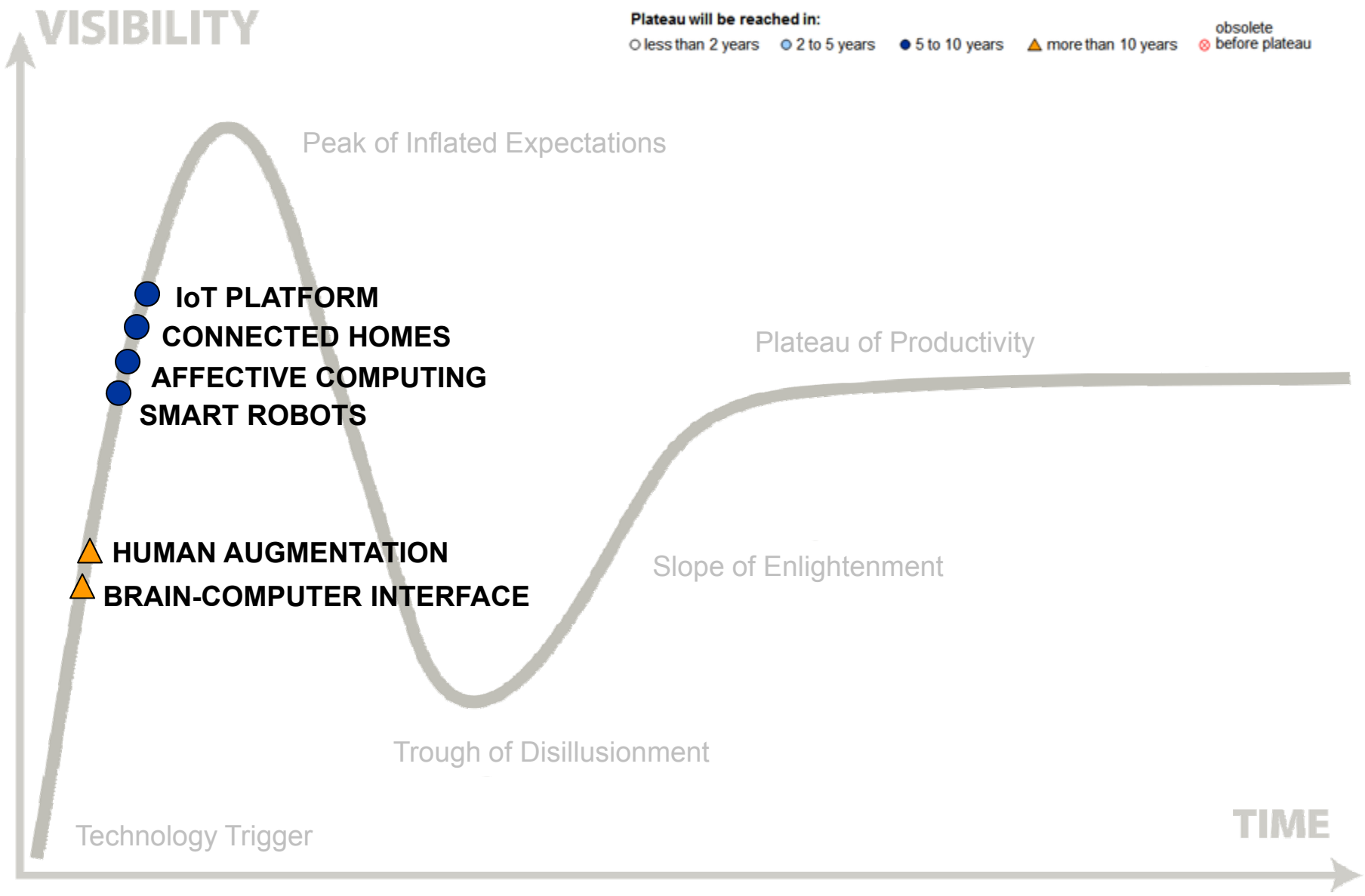
The 6 most dangerous LTC maneuvers

1) Transferring patient from toilet-to-chair.
2) Transferring patient from chair-to-toilet.
3) Transferring patient from chair-to-bed.
4) Transferring patient from bed-to-chair.
5) Transferring patient from bathtub-to-chair.
6) Transferring patient from chair lift-to-chair.

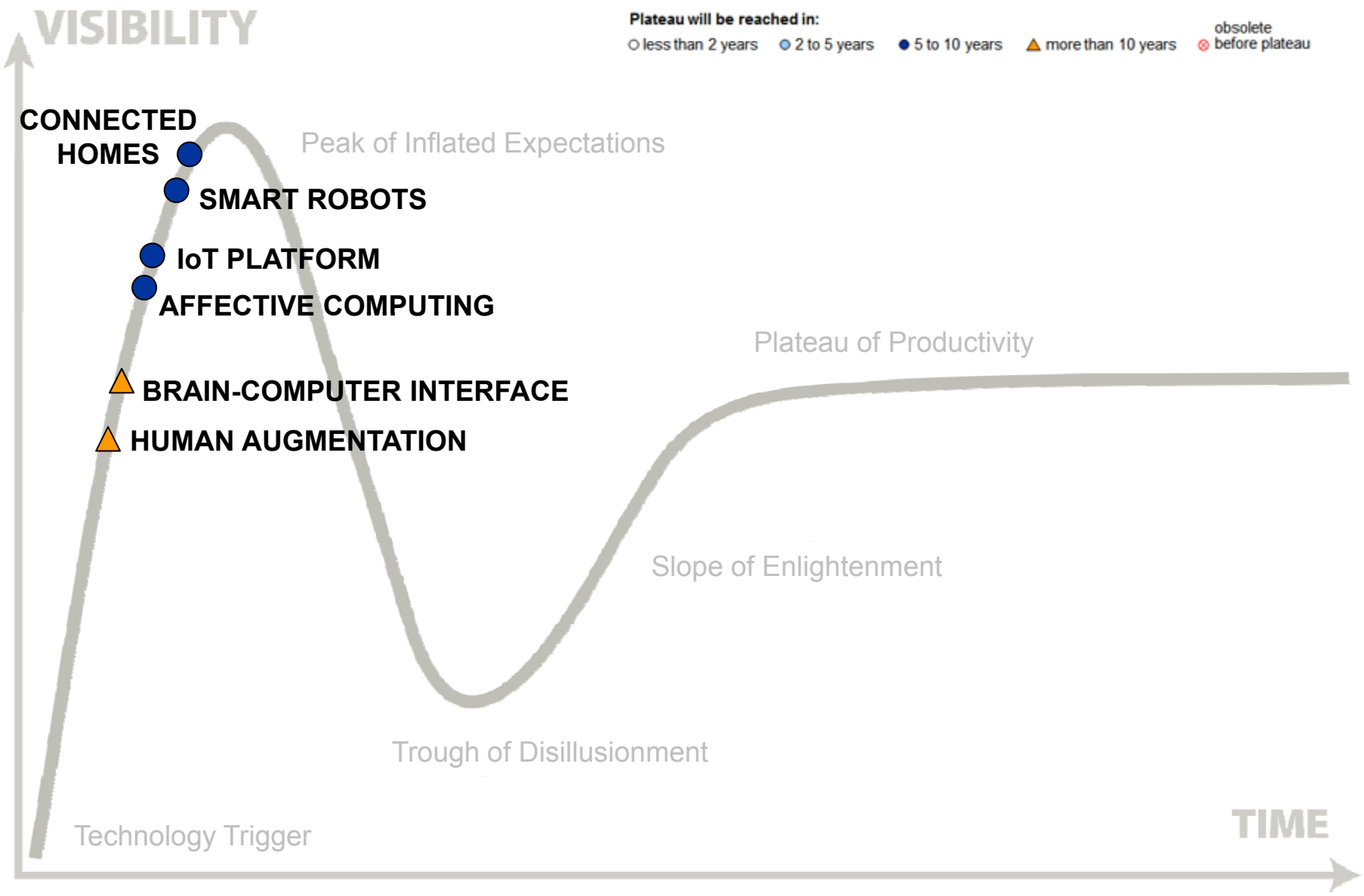
Robots, Exoskel

Source: U.S. Bureau of Labor Statistics

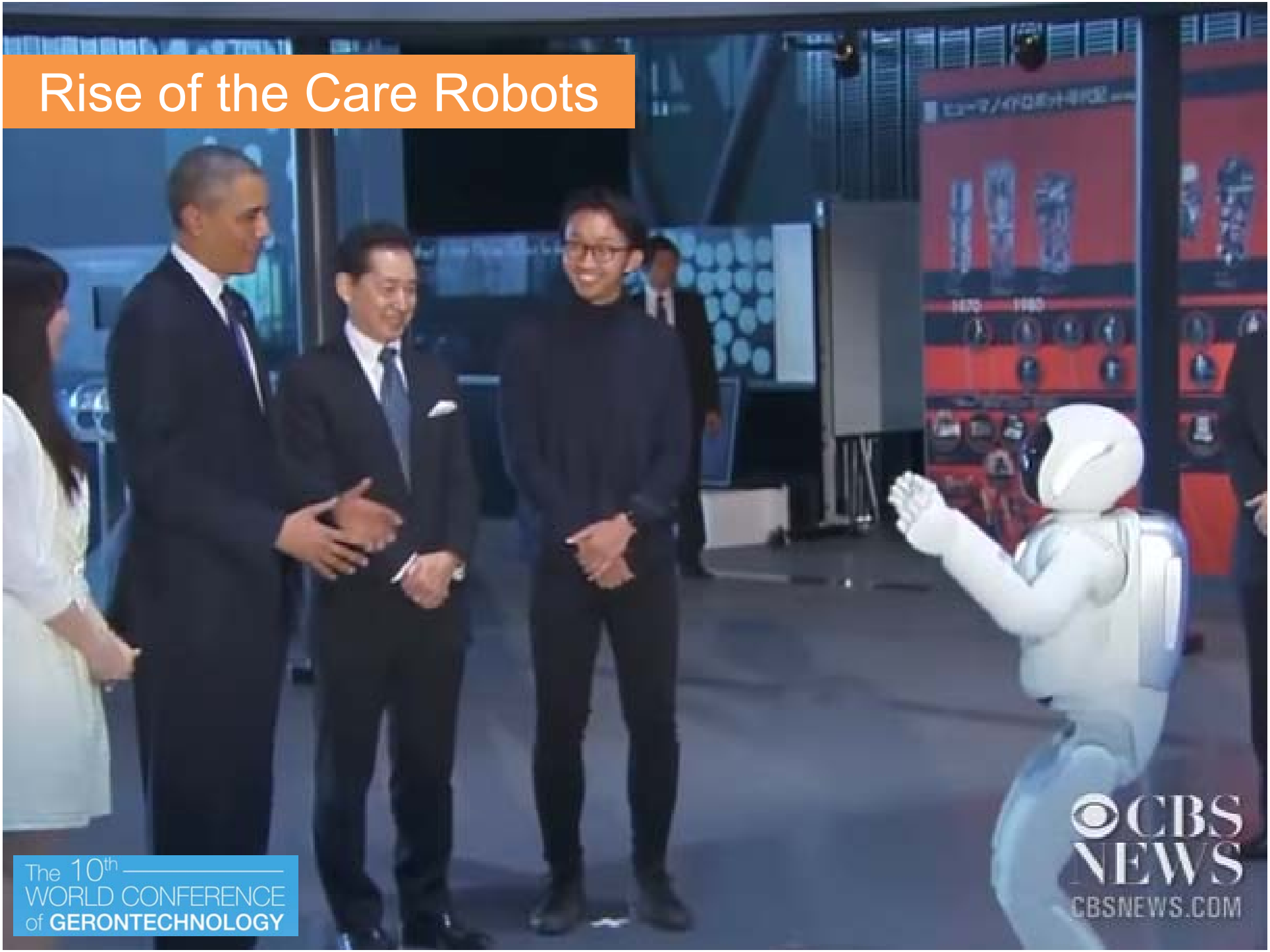
Gartner Hype Cycle (2015) – Ignore at your peril…



Gartner Hype Cycle (2016) – Ignore at your peril…

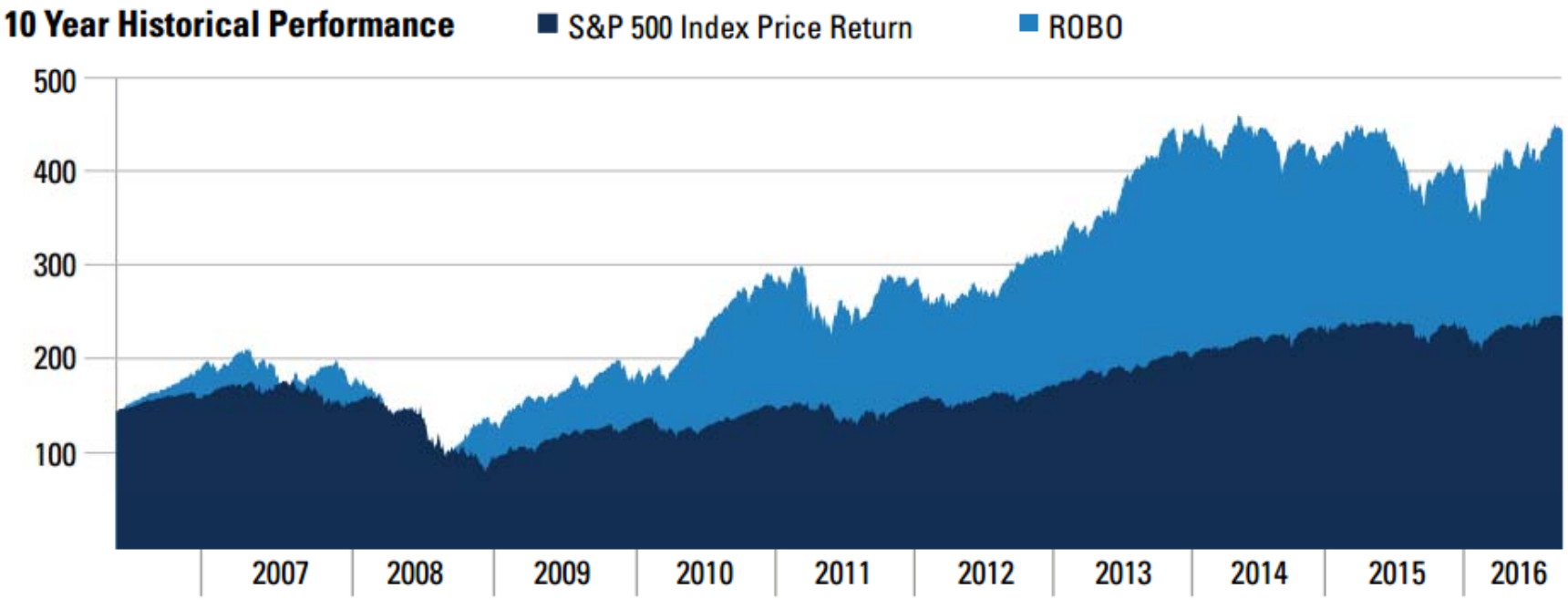


Rise of the Care Robots



The 10th WORLD CONFERENCE of GERONTECHNOLOGY

The ROBO Global™ Robotics and Automation Index
ROBO Global™ INDICES



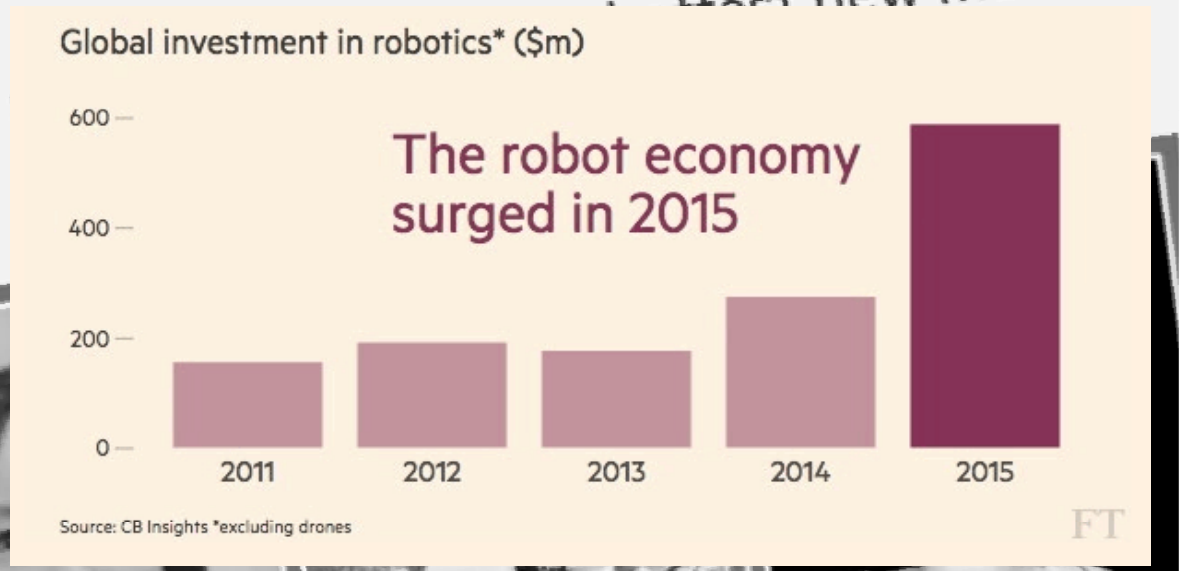
Is this real, really? Follow the money

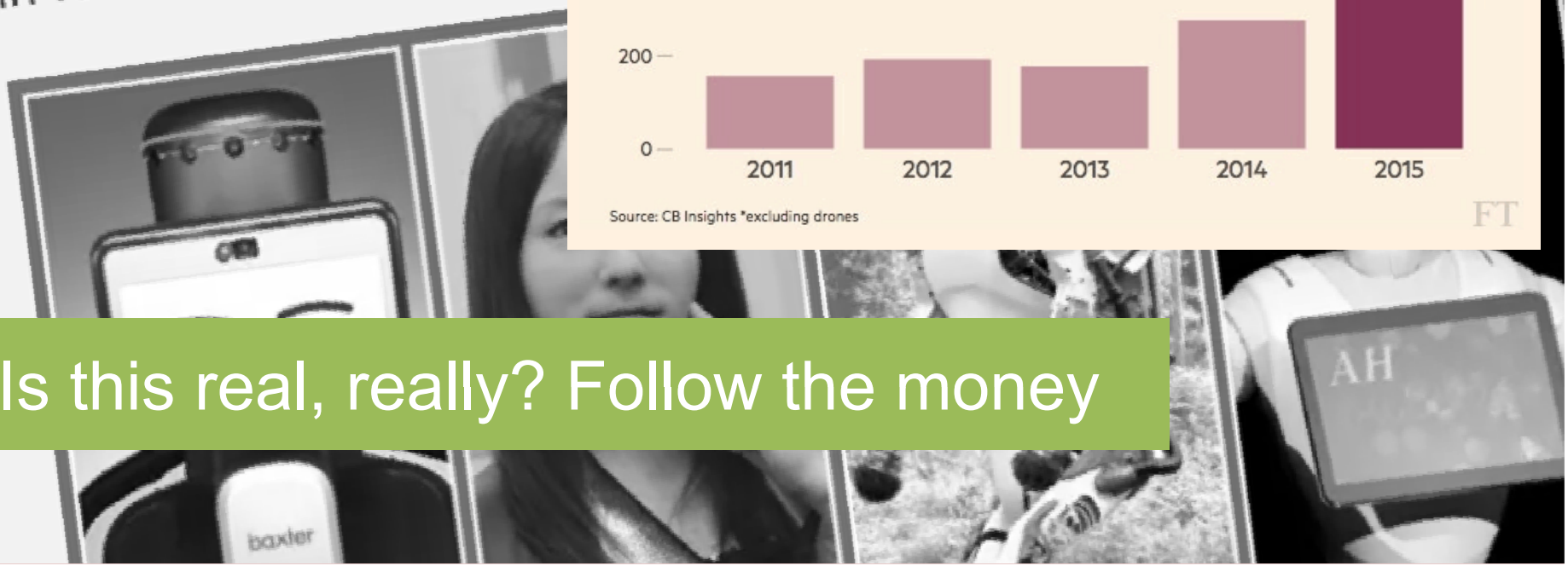
US COMPANIES MARKETS OPINION WORK & CAREERS LIFE & ARTS

Artificial Intelligence and Robotics + Add to myFT

Rise of the robots is sparking an investment boom

Global influx of machines in tech





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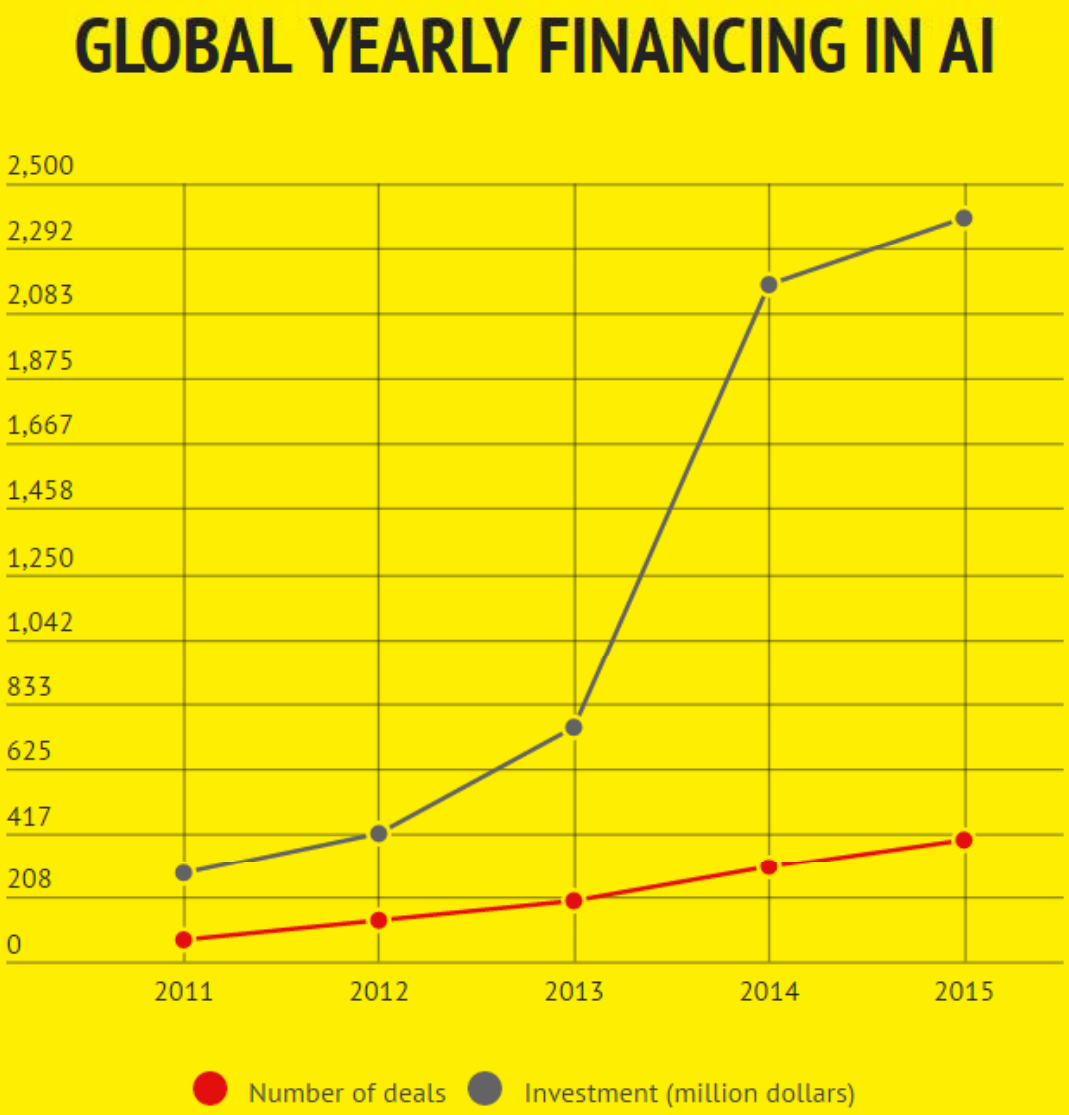
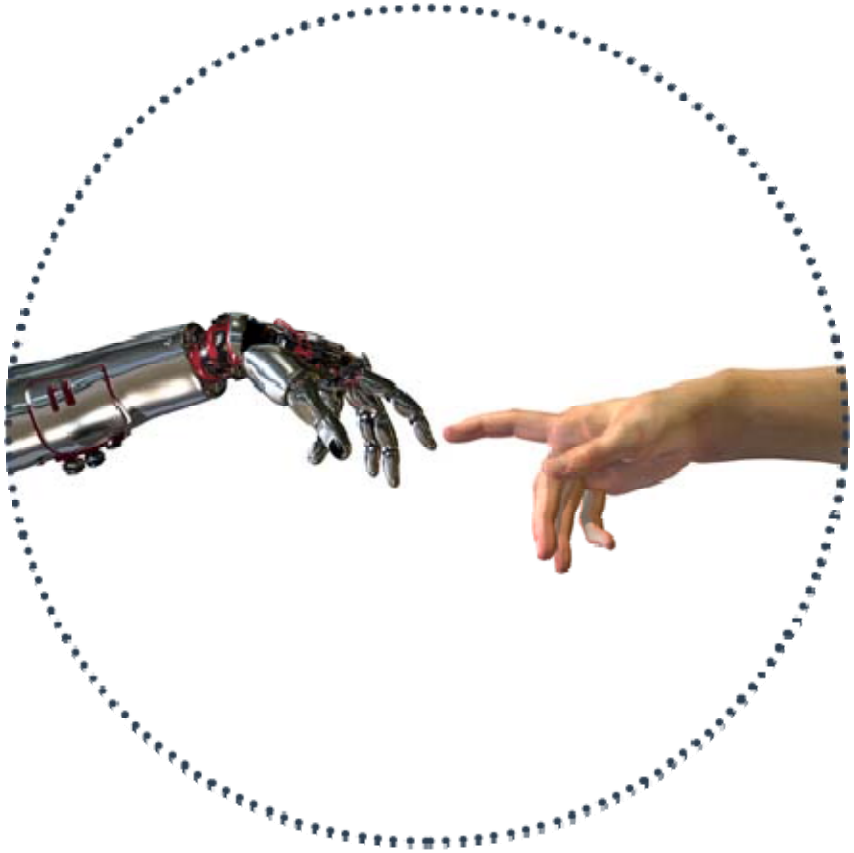


Multi-billion investments by Goldman Sachs, Google, and IBM

$15B per year by 2021

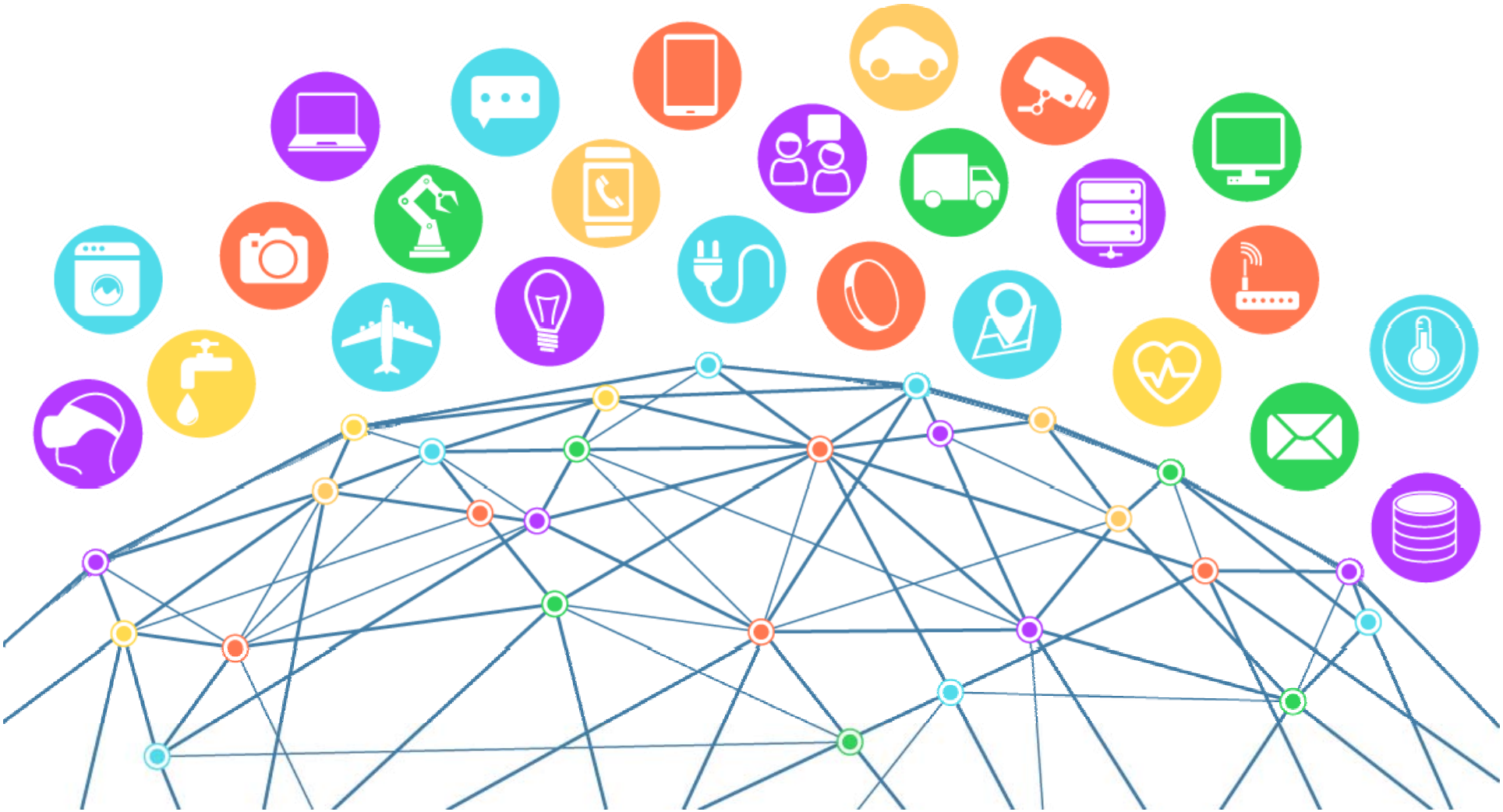
Robots in LTC: “Robear”

Human Augmentation: Exoskeletons

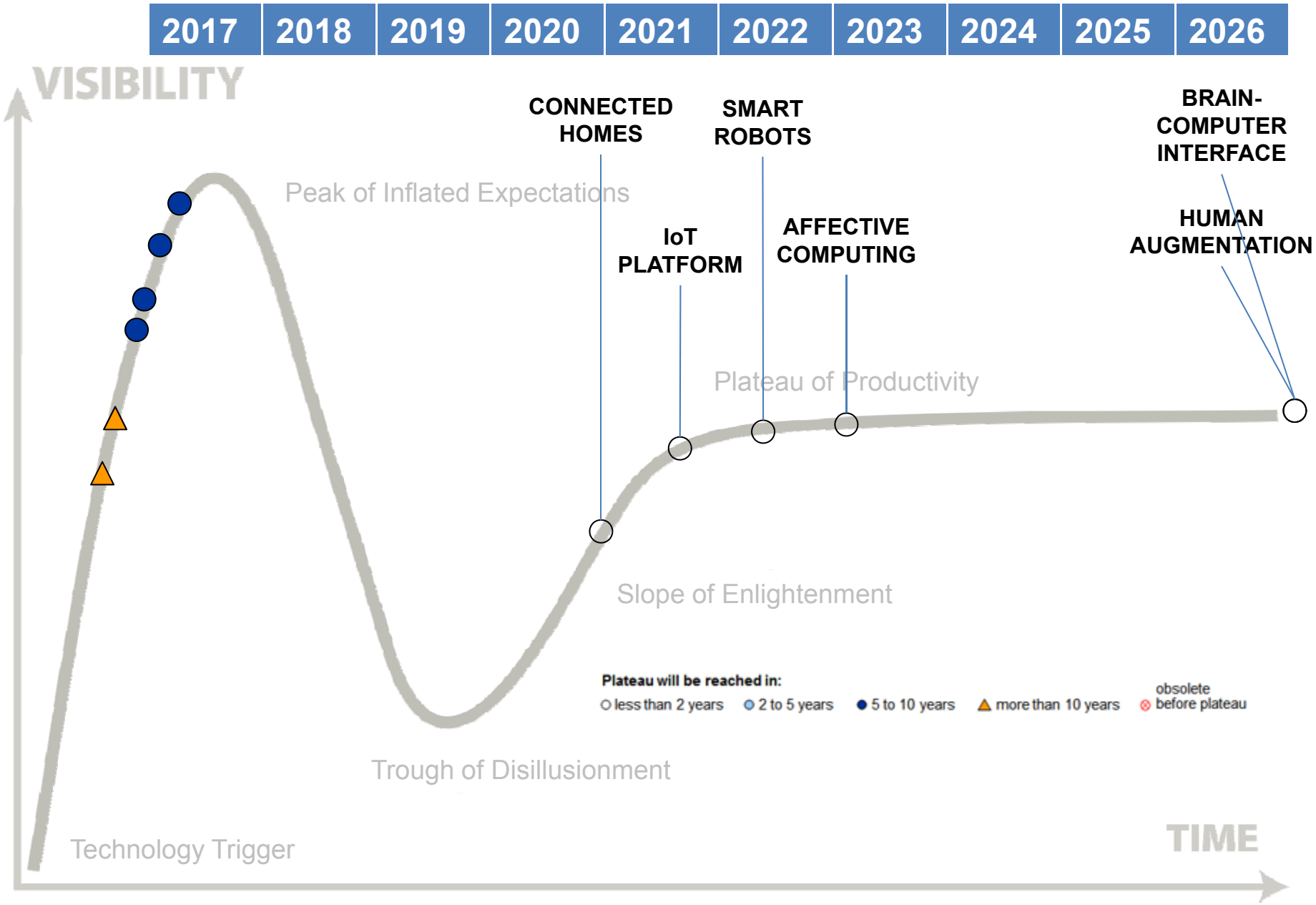


Affective Computing

Smart Homes and the Internet of Things



When is it going to hit the market (mass adoption)?



So, what's this mean for today's policies? And tomorrow's?

1. 95% of consumers who will need care have rejected LTCi for the past 25 years.
2. Consumers will be more receptive to tech-based care than human-provided care.
3. We need to broaden our thinking about how to support older adults (we're still administering policies with no ALF benefit from 30 years ago).
4. This is coming. Either we figure out how to work with it, or someone else in another industry will.