GS1 Standards Event 2017
20-24 March 2017 – Jersey City, NJ
Building standards to deliver business value

Session: Lunch & Learn: Innovation Programme Update
20 March, 2017 | Time: 12:30-1:30

Who may attend: Everyone!

Speaker: Kevin Stark, GS1 GO

Goals

- Understand context for "Innovation"

- How is Innovation being approached within GS1 GO

- What's happening in 2017

How to reinvent a 125 year old company…

" To reinvent yourself, you have to constantly think about **what's new, what's next, and how do I adapt.** "

- Beth Comstock, Vice Chair, GE

Image: Twitter @bethcomstock

Future in Five
with Beth Comstock

GS1

The Innovation Ambition Matrix

Managing Your Innovation Portfolio – Harvard Business Review, Bansi Nagji and Geoff Tuff, May 2012
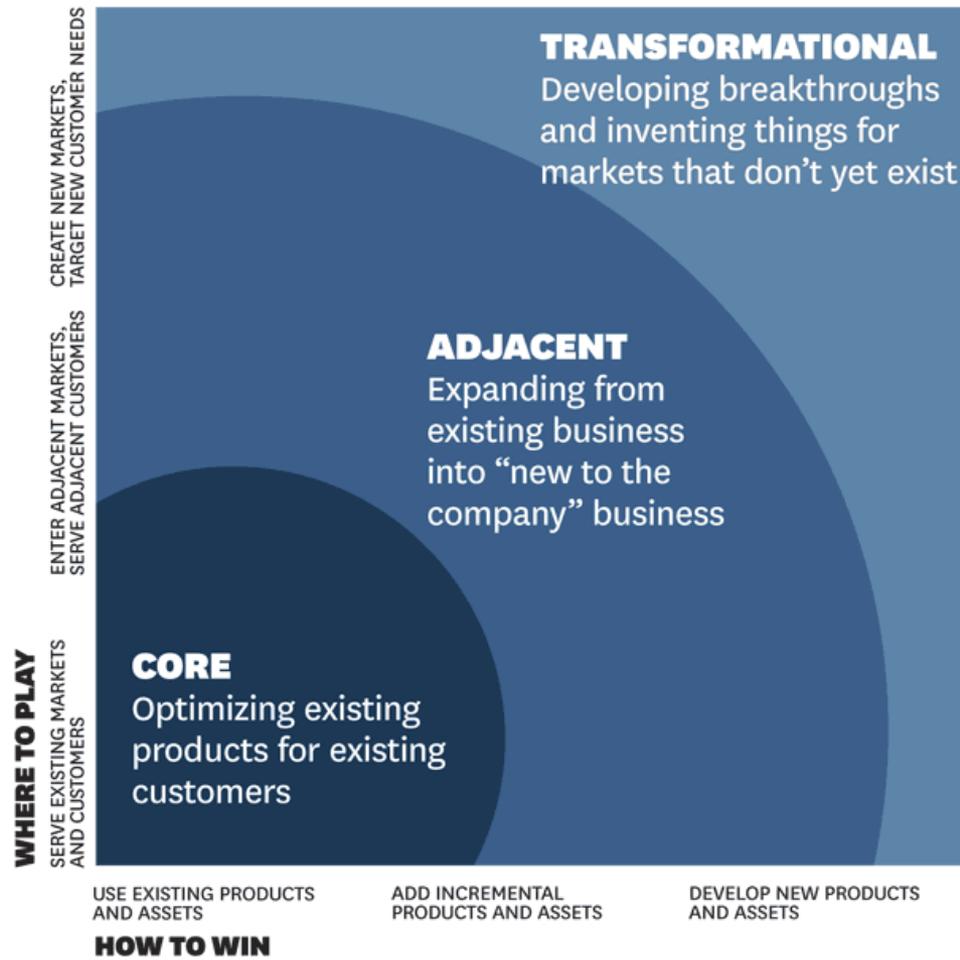
Innovation Program @ GS1

- Focused on extremely disruptive topics that create opportunities for big impact

- Innovation is grounded in the needs of industry

- Innovation exploration is empowered by a broad internal and external ecosystem

Innovation Program @ GS1 (2017)

- Focused on extremely disruptive topics that create opportunities for big impact
  - Consumer Internet of Things

- Innovation is grounded in the needs of industry
  - Industry Engagement, GS1 Innovation Board

- Innovation exploration is empowered by a broad internal and external ecosystem
  - Connections with MOs
  - Forward-looking Research by AutoID Labs

Auto-ID Labs

Network of six Research Institutions, furthering GS1's mission
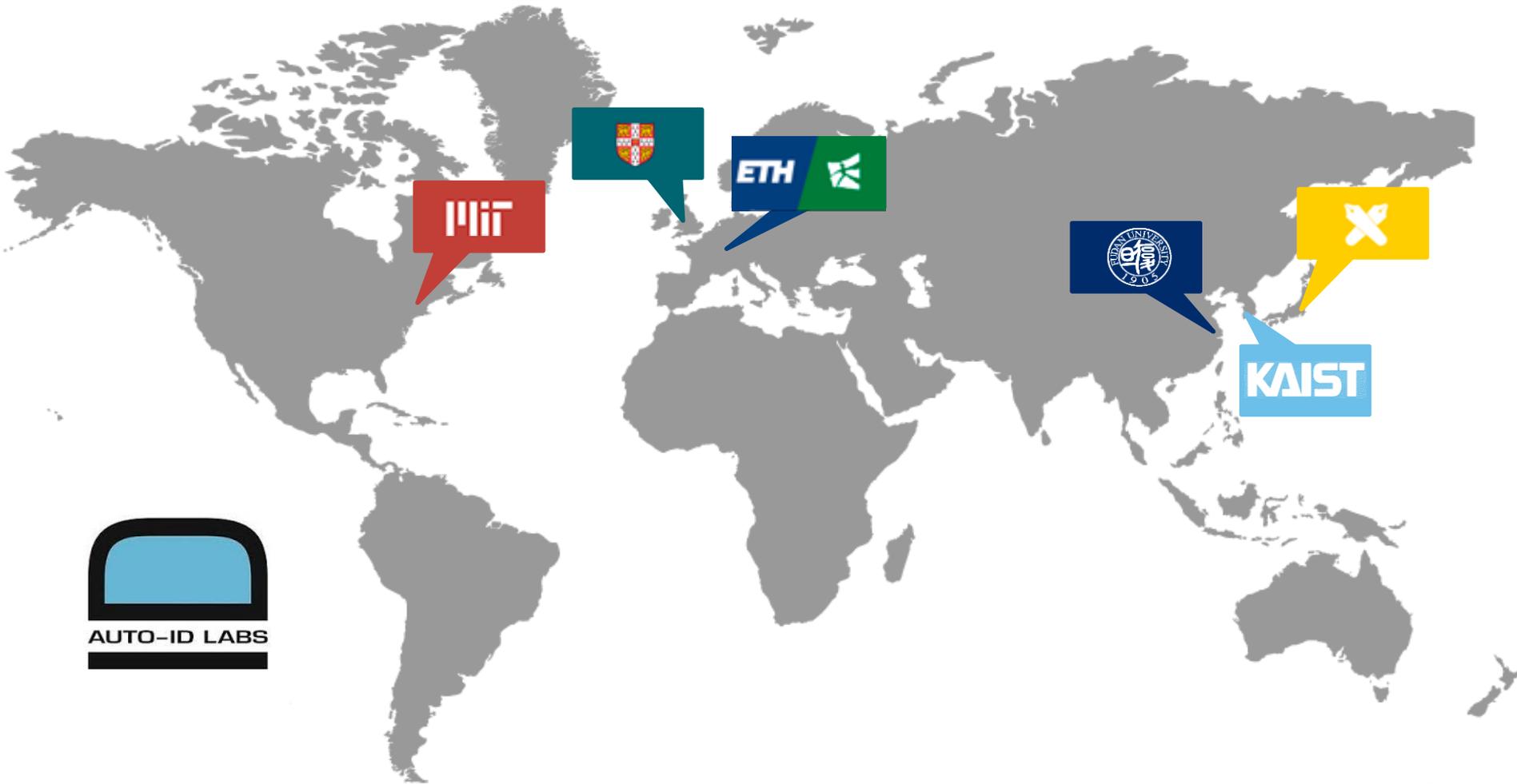
AutoID Labs Activities

- **Advancing Technologies**
  - Traditional basic research (5-10 years)
  - Value: Basic research to ensure we're on the fore-front of future technology developments

- **Applying GS1 Standards to new applications**
  - Supports near-term adoption of GS1 standards (< 2 years)
  - Value: Labs actively support regional initiatives to drive standards adoption by end users

- **Leveraging GS1 data to discover new capabilities**
  - Medium-term development, but include current commercial deployment
  - Value: Drives development of capabilities that can become value add services for GS1 or solution providers

AutoID Labs Activities (2016 projects)

- **Advancing Technologies**
  - Product Identification (VR/AR)
  - RFID sensor crack detection
  - Deep learning / machine vision
  - Improved RFID Reader-on-a-Chip
  - Sensor-enabled RFID tag
  - Implantable glucose sensor
  - Data analytics in healthcare
  - Smart city pilot model
  - Data mining / network science
  - Tracking problems in logistics with data
  - Energy harvesting sensors
  - AIDC for visually impaired people

- **Applying GS1 Standards to new applications**
  - Food safety (Chinese gov't)
  - Disaster relief supply item management

- **Leveraging GS1 data to discover new capabilities**
  - Scan & Go self-checkout (Valora)
  - Food literacy app

The Global Language of Business

AutoID Labs Activities (GS1 sectors)

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Scan & Go mobile Self-Checkout Pilot

Self checkout adoption and usage studies

1) Check-in
2) Product scan
3) Basket overview
4) Payment Confirmation
5) Private Feedback

Scan&Go

Right: Public feedback screen with store-specific QR-code for payment confirmation

https://www.facebook.com/ScanGoApp/videos/661031737407190/

University of St.Gallen

ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

valora

Questions?

Thank you!

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