AgriFoodTech
The future for the Netherlands

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Challenges

“The coming 40 years the world needs as much food as the amount of food we produced during the last 8,000 years.”

9 billion people in 2050
More animal proteins
Less available farmland

Dreaming about AgriFoodTech.....

Food security
Food waste
Sustainability

Food prices
Water
Food safety

Animal Wellfare
Urbanisation
Food convenience

The Netherlands is seen as the worldwide authority and supplier for all sectors in foodchains
The Netherlands

**AgriFood**
- Turnover: ± € 140 Billion
- Export: ± € 82 Billion
- #2 of the world
  - R&D Investments: 0.5-1%
  - 744,000 jobs - 160,000 companies

**AgriFoodTech**
- Turnover: ± € 17 Billion
- Export: >85%
- #3 of the world
  - R&D investments: 6-7%
  - 135,000 jobs - 4,000 companies
Earning capacity
GMV – 70 machinebuilding companies
Strong AgriFoodTech Ecosystem
# HT2FtW - Themes

1. **Datamanagement/smart systems**
   - Anti-counterfeiting
   - Tracking & tracing
   - Big data
   - Remote diagnostics

2. **Automation (robotics, detection, tracking, tracing)**
   - Pick-Place
   - Measuring & Sensoring
   - Vision

3. **Energy (reduction)**
   - Cooling/freezing/drying
   - More efficiency

4. **Homogeneity**
   - Mixing & separation
   - Texture

5. **Materials**
   - 3D printing of materials and food
   - Complex structures
   - New materials and composites
Challenge – Fruit 4.0
Challenge - Multicropping
Challenge – Handling & Packaging
Challenge – Personalised Food
THE FUTURE OF TECHNOLOGY IN AGRICULTURE

Silke de Wilde
STT Netherlands Study Centre for Technology Trends
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Thank you!

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