Challenges in the Food Industry

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Innovate UK
KTN
the Knowledge Transfer Network
Barfoots

- 100% Owned by Peter
- Started in 1976
- Vertically Integrated
  - Farming
  - Processing
  - Marketing
  - Green Energy
- Supply UK and European Multiple Retailers
- Farm 6000 acres South Coast and also around the world
Barfoots UK & Global Supply-Chain
Sea freight focused strategy

2014 Barfoots Supply by COO %

- UK: 30%
- Senegal: 16%
- Spain: 13%
- Peru: 9%
- Rest of world: 32%
Case Study #1
Controlled Traffic
Controlled Traffic
It's not that easy...
Subsoiler

Plough
The Results

- 60% Reduction in diesel usage
- Elimination of compaction
- Improvement in soil structure
- Increased worm numbers
- No standing water
- Increased Packout
Case Study #2: Asparagus Peru
Container Tracking

Real time location data
Temperature and Controlled Atmosphere monitoring
Case Study #3: Crop Imaging
Other Challenges in the Food Industry

- More Data; connectivity around the world
- Earth Observation
- Driverless tractors
- Provenance of food
- Food Security
- Weather
- Climate Change
What we really need...
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