

Thank Earth





Thanet Earth

7 giant greenhouses: tomatoes, peppers and cucumbers

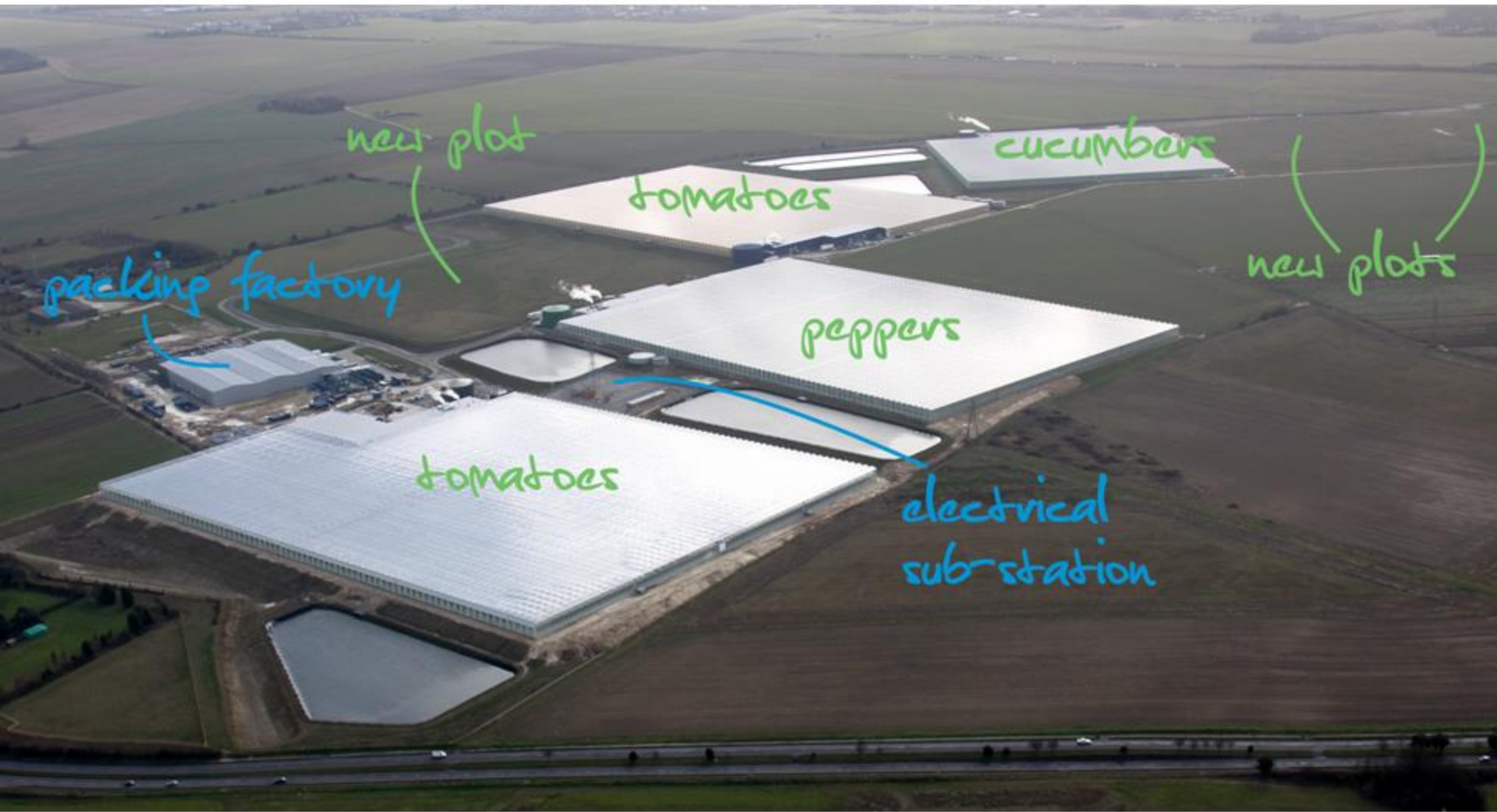
55 hectares of glass

£135 million investment in UK horticulture

Energy generation

Rainwater capture

Sustainability is a core concern and is key to the business model



packing factory

new plot

tomatoes

cucumbers

new plots

peppers

tomatoes

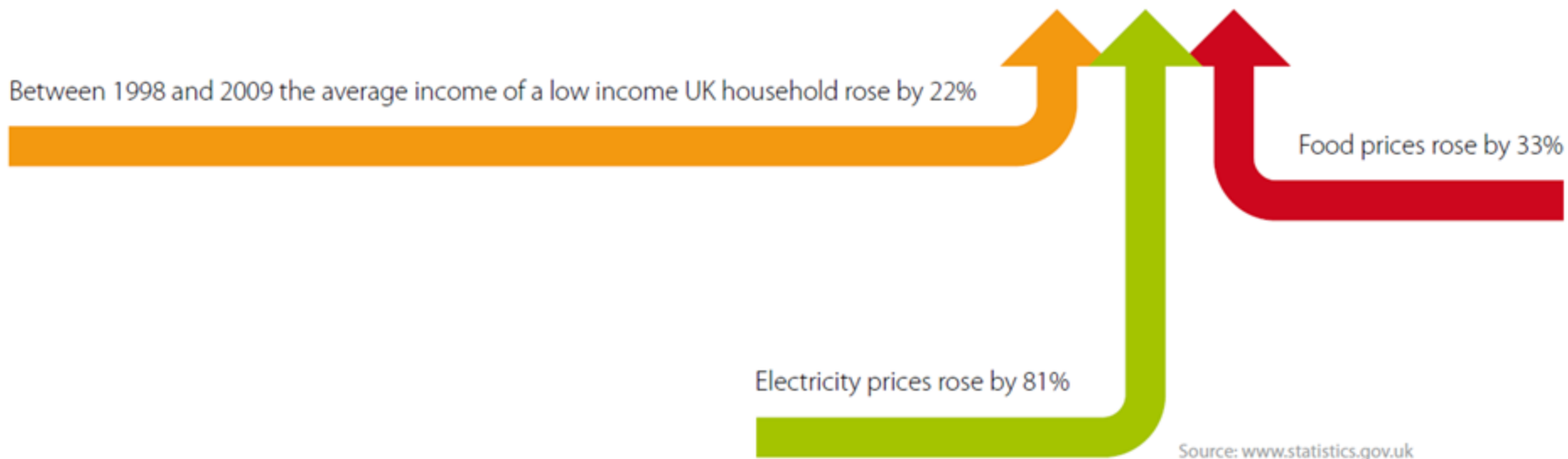
electrical sub-station

Context

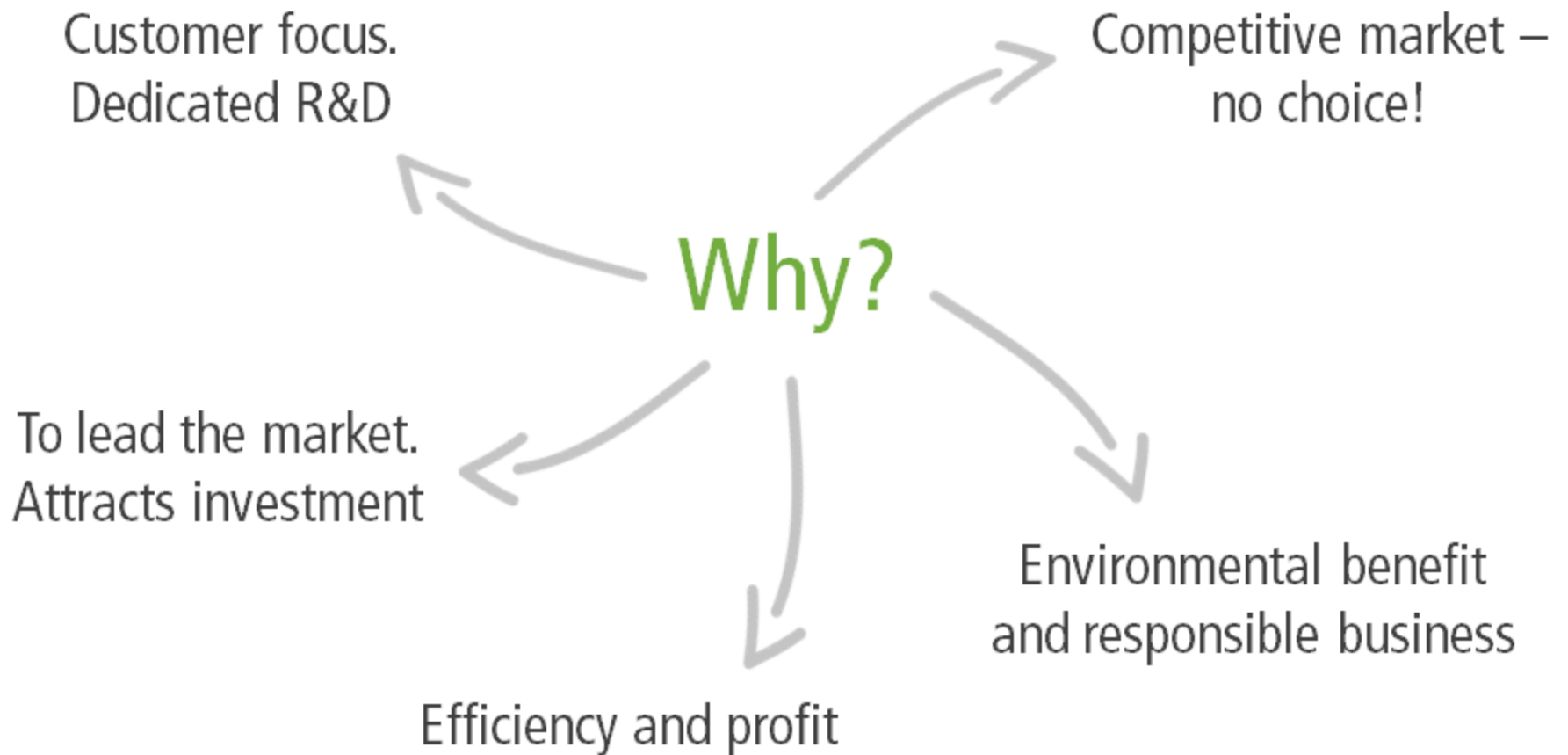
Recessionary pressure on households and businesses

Food production has to become more efficient and sustainable –
environmentally and financially sustainable

Large-scale, high-tech production is a natural solution



Research and innovation





Tangible end benefit for customers, for bottom line or for environmental performance improvement

Collaboration



R&D benefits our business and contributes to a healthy support industry and education base.

In the UK and abroad

Other growers and farmers

Seed breeders

Policy-makers

Equipment manufacturers

Universities and colleges

Support industries

Transport, refrigeration, waste, energy



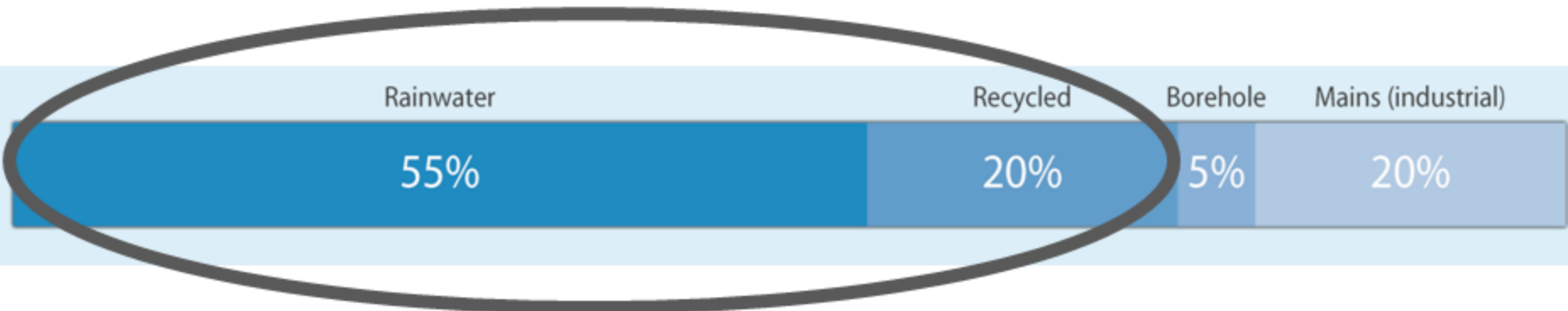
In practice ...

- Focus on energy
- Greenhouse design
- Light utilisation
- New growing methods



- Plant health – roots/climate/plant monitoring
- Crop protection - biological
- Post harvest – ozone, ethylene control

Water use



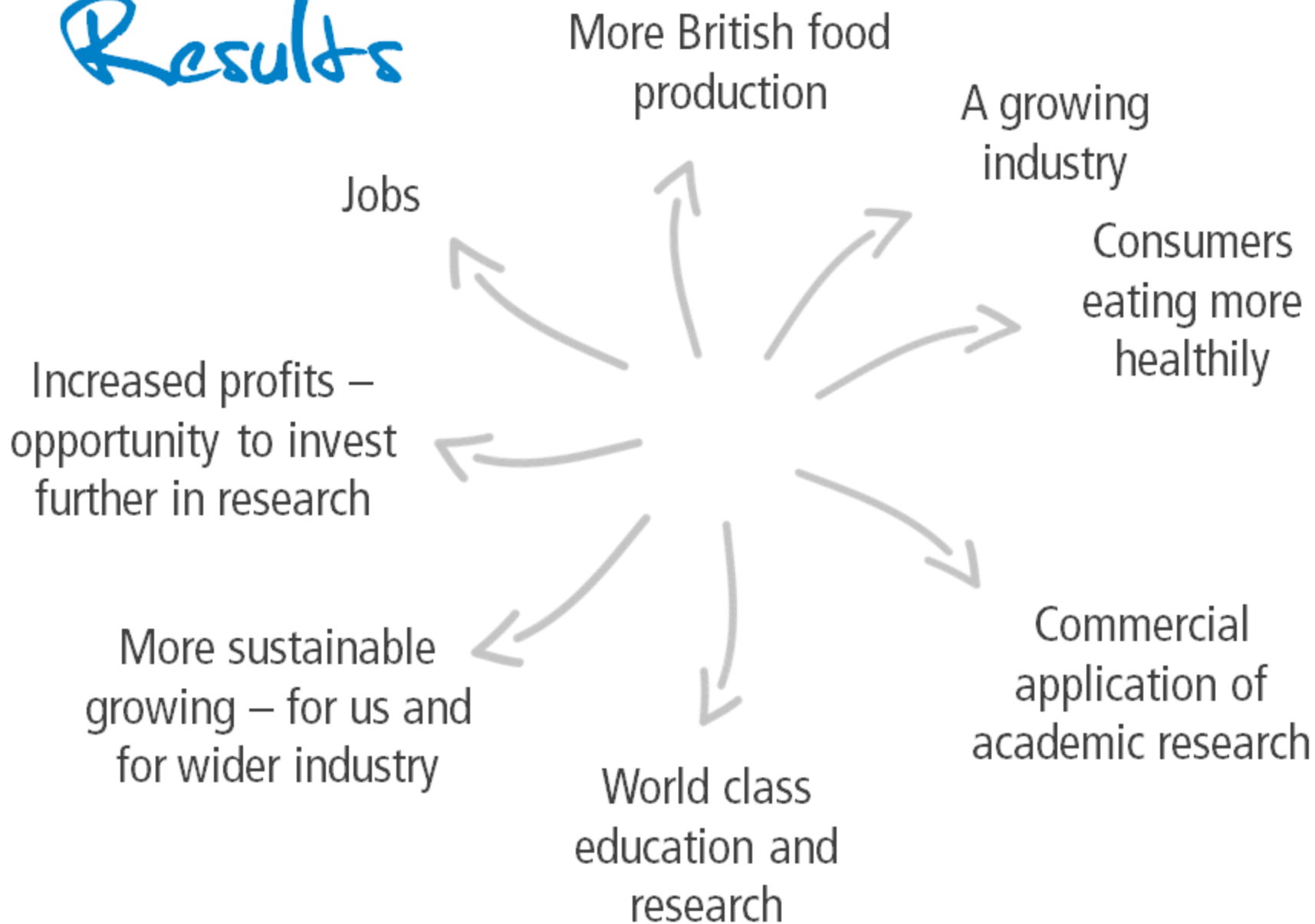
Site designed for sufficient water storage capacity

Winter fill model, summer self-sufficiency

Reduce water need via closed loop irrigation system

Research – UK and abroad – to reduce water need and use

Results



Thank you for listening.

Thank Earth

