



All About Nordic Harvest

HL365 - Forårstræf

2. maj 2024



Credo – Vision and Mission



Next-Gen Agriculture

With the technology, highly clean environment with clean renewable energy and capability to control precise planting parameters for greens; we are capable to grow greens in wider varieties of leafy greens.

Sustainability and Quality

We can grow sustainable leafy greens with a minimal consumption of water and without the use of toxic pesticides or discharges into nature. We can provide greens with a much higher quality, safety and with more taste.

Environmental Impact

With technology and new thinking, Nordic Harvest can plant much more efficiently in using less space and with minimal environmental impact. Bring the farmland back for reforestation.

The 1st and 2nd Phase of Taastrup Site



Building

3400 m² (7000 m² incl. phase II)
Litauen Alle 13, 2630 Taastrup, Denmark

Capacity

Phase I : Up to **340** kg/day
Phase II: Up to **2600** Kg/day in Dec 2025

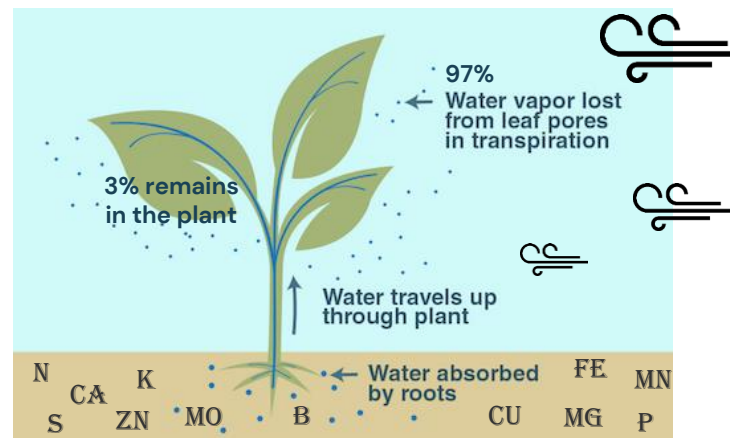
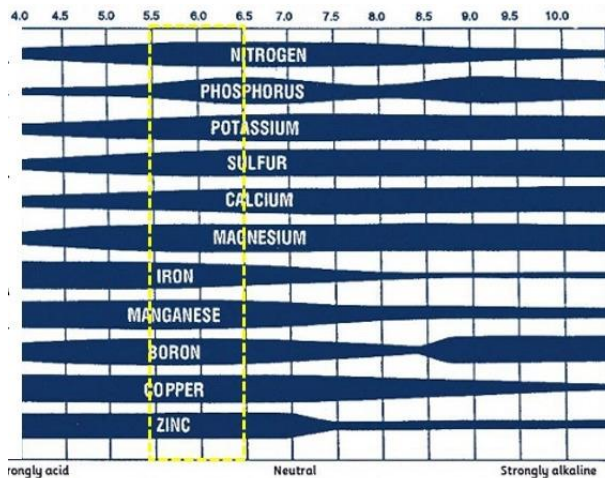
Planting Environment

Water

Water is essential to all organisms; carries nutrients to plants

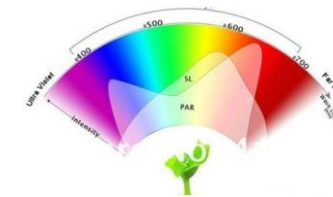
To maintain the balance among nutrients in water
– *not too much, not too little*

- Daily Control of Nutrients, pH (5.5 – 6.5),
- Oxygen Level (>5mg/L)
- Temperature (20–25°C)



Lights

To maintain the right light intensity, lighting **distance** and lighting **hour**.

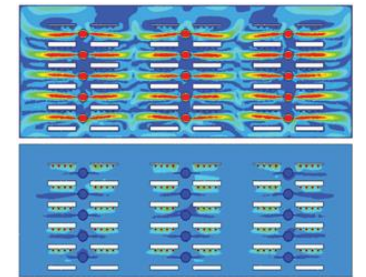
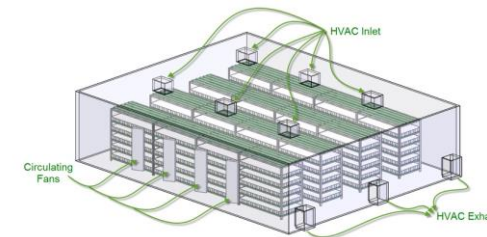


Designed Spectrum

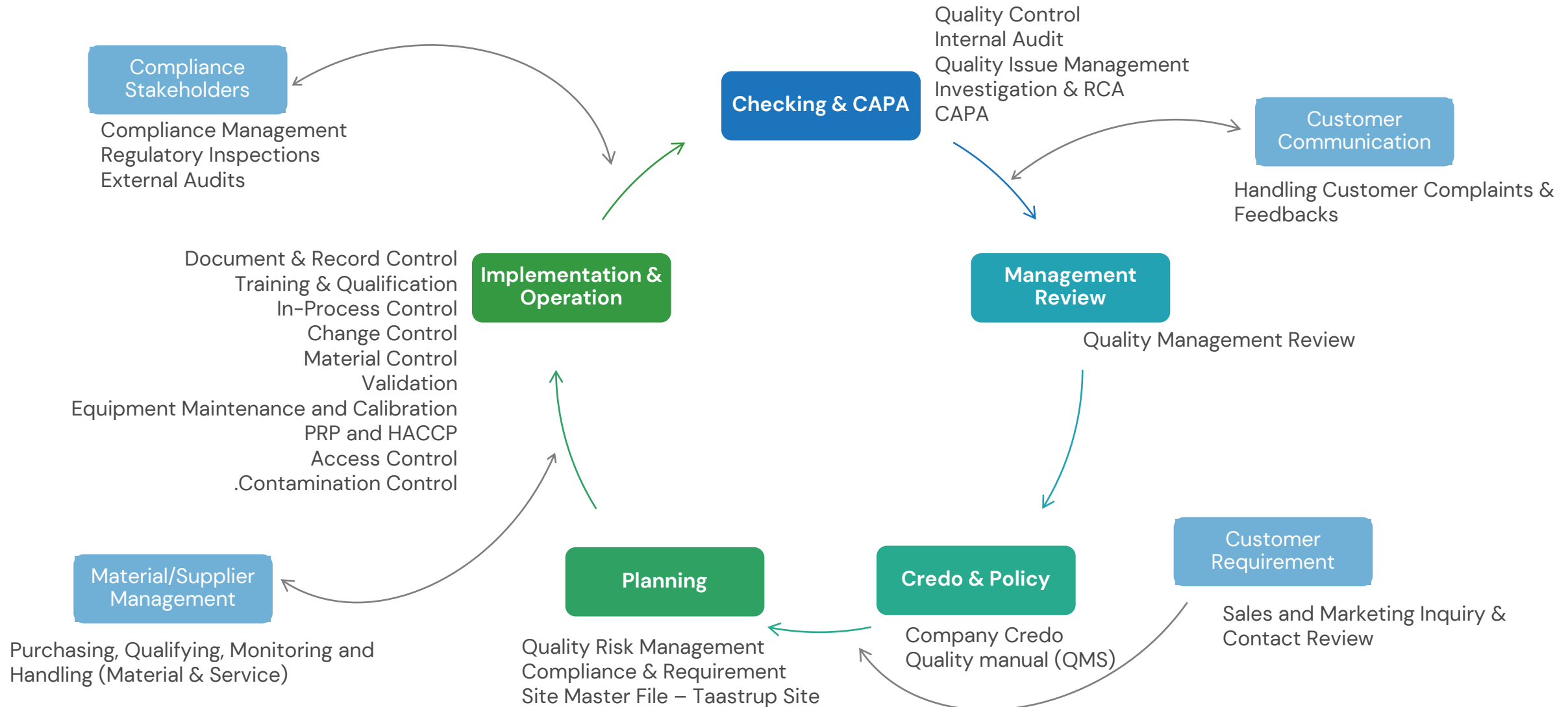


Air

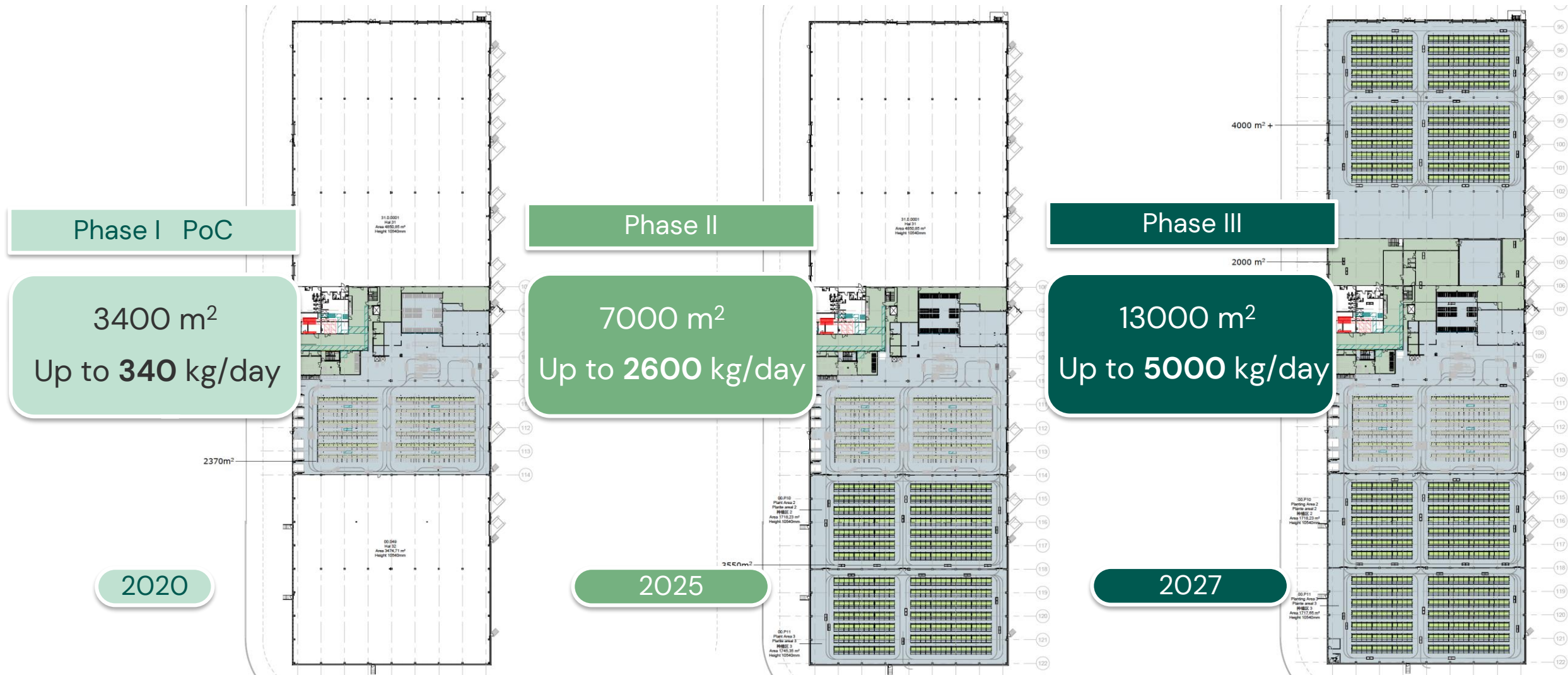
To maintain the **Temperature**, **Humidity**, **CO₂** level and **Airflow Velocity** within each desired range.



THE WHEEL - Continuous improvement lifecycle



Expansion Timeline



Production efficiency



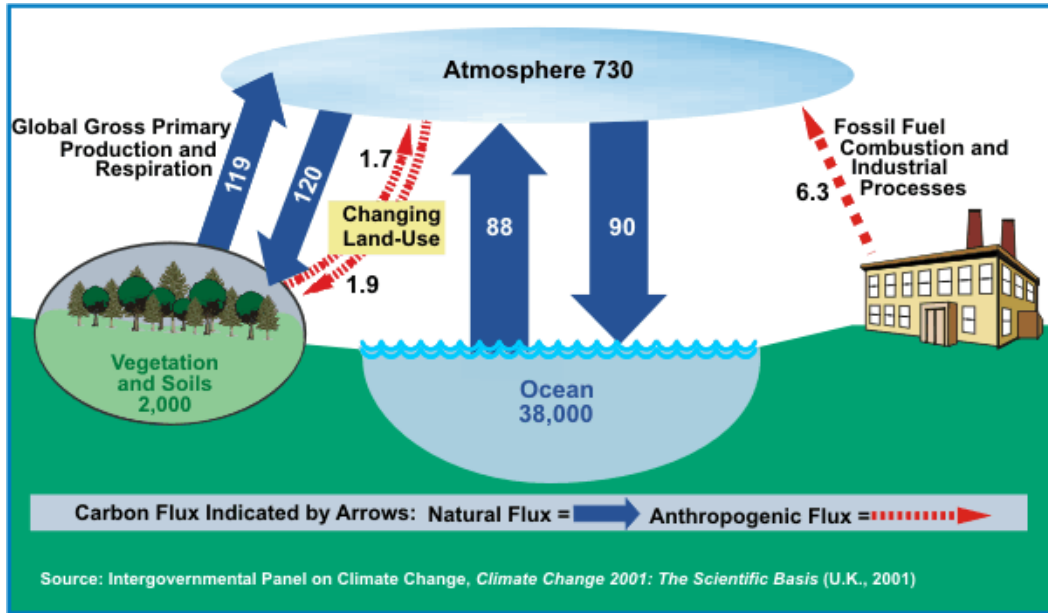
Nordhavn used as an example for illustration purposes.

This tiny land area can produce the same amount of leafy greens - as a farmer would use the entire land area of Nordhavn to produce.

250+ times more efficient in terms of land use.



CO2 balance



Forests on the Northern hemisphere absorb carbon from April to October

The carbon concentration in the atmosphere are increasing by about 2 PPM per year

