

More Biogas

Biomanure - Nutrient cycle in society



More Biogas

Owners: Famax, Purac,
CA fastigheter, Kalmar
Energi, Hund Holding,
privat individuals,
18 local farmers (35%)



- Background: 60% of public transportation will use biogas

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Products

- Biogas, CO₂ neutral vehicle fuel with Natural gas (CNG) quality



- Recycling of organic waste

- Refinement of nutrients to agriculture

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Process



CO₂

CNG
Bulk container

CNG
Local dispenser

High pressure
compressor

Gas Upgrading Unit

Substrat
buffer
tank

20 C

40 C

60 C

70 C

Pasteurization
1h, > 70 C

HEX
1

HEX
2

HEX
3

57 C

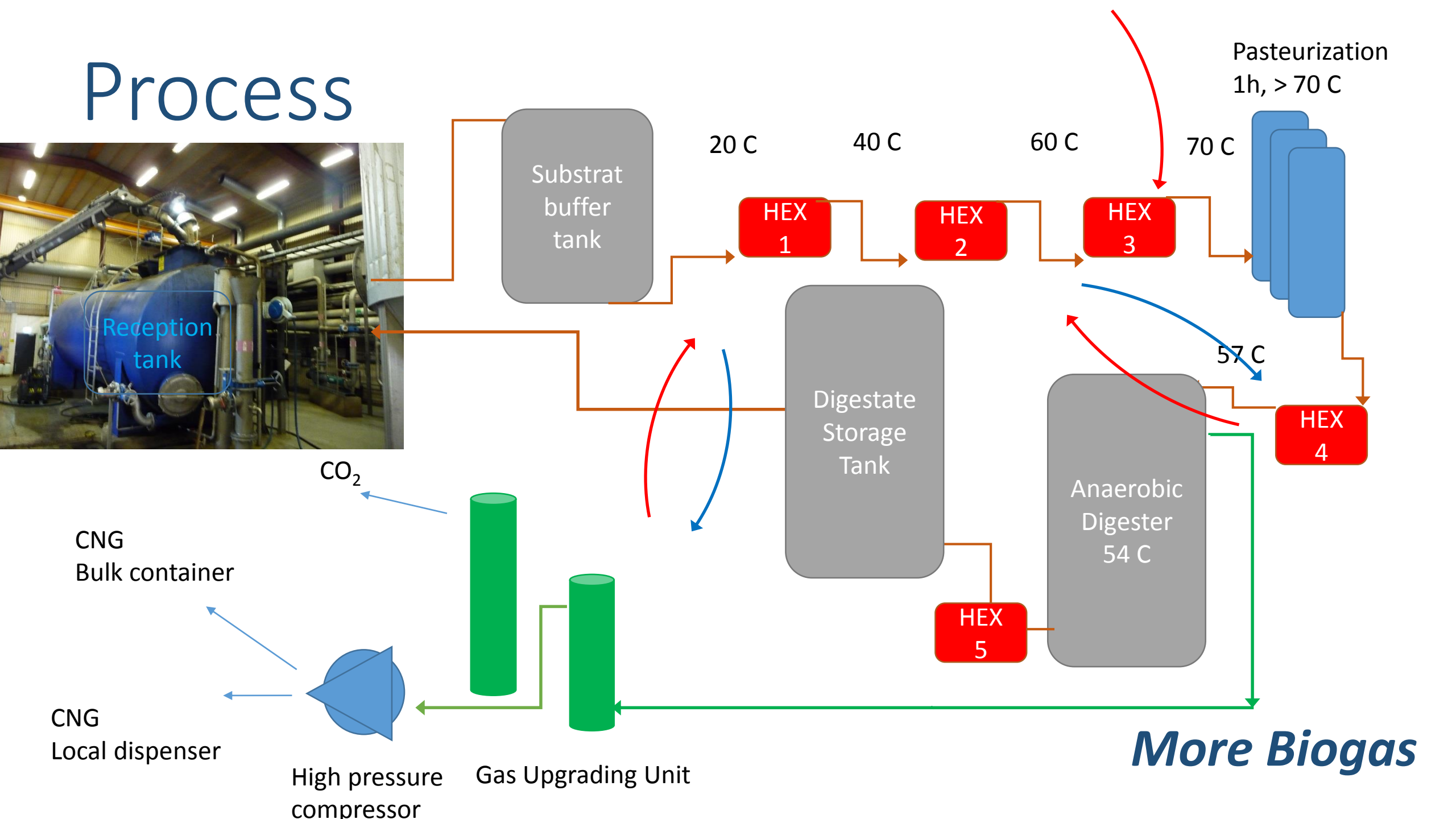
HEX
4

Digestate
Storage
Tank

Anaerobic
Digester
54 C

HEX
5

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Where are we going?

- Precision farming
- Different qualities of biomanure
 - NPK separation
 - Concentration
 - Acidification
- Improved quality of biomanure



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Thank you for your
attention!



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