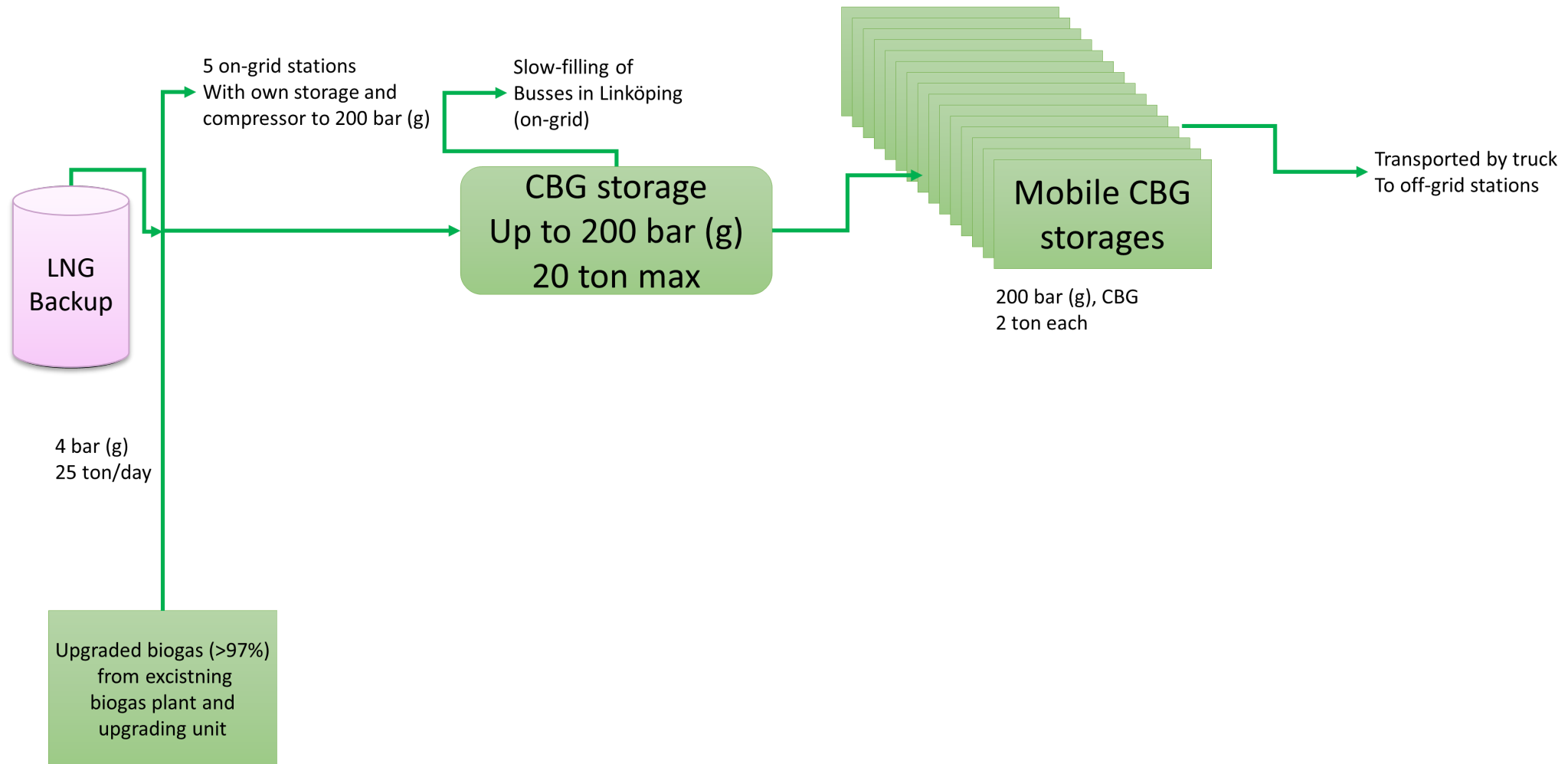


Linköping biogas plant

- Started 22 years ago (1997)
- One of the first in Sweden to produce biogas for busses and vehicles
- 120 GWh of biogas sold in 2018
- Today we have 12 public filling stations for CBG in Linköping, Norrköping, Mjölby, Motala and Västervik
- The main costumers are busses, cars, trucks etc
- In 2019 we are building a LBG plant to produce up to 85 GWh of LBG as a complement to the CBG

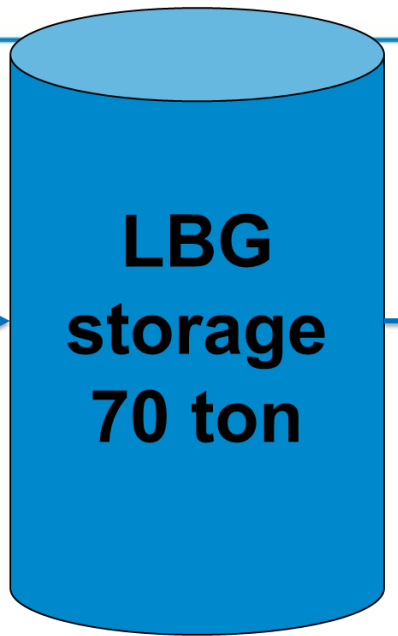


Biogas production plant / LBG plant (Linköping)



New part of the plant (LBG)

plant
n of biogas to
BG



0-2 bar(g)
Liquid biogas



22 ton/h

22 ton semi-trailer
For LBG transport



0-2 bar(g), -162 C
Up to 20 ton/day

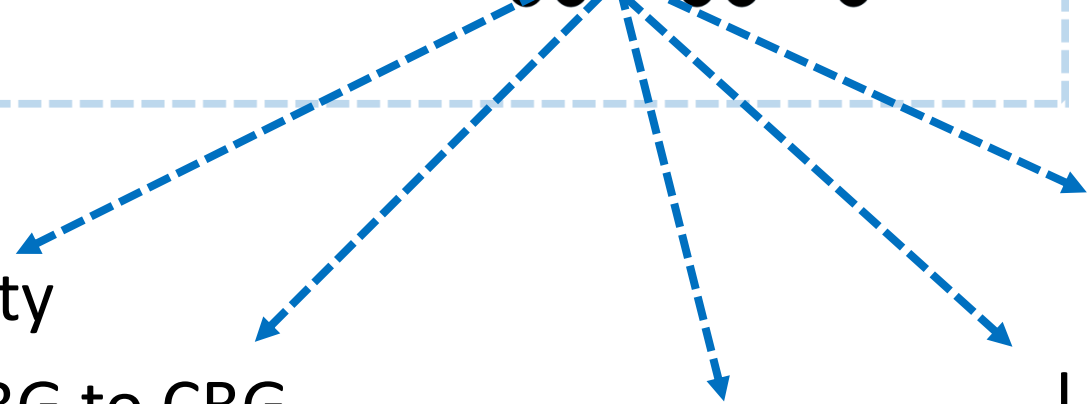
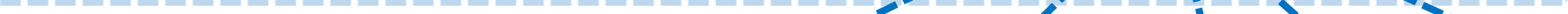
LBG to industry

LBG to CBG
(off-grid CBG net)

LBG as backup
to CBG

LBG to ships

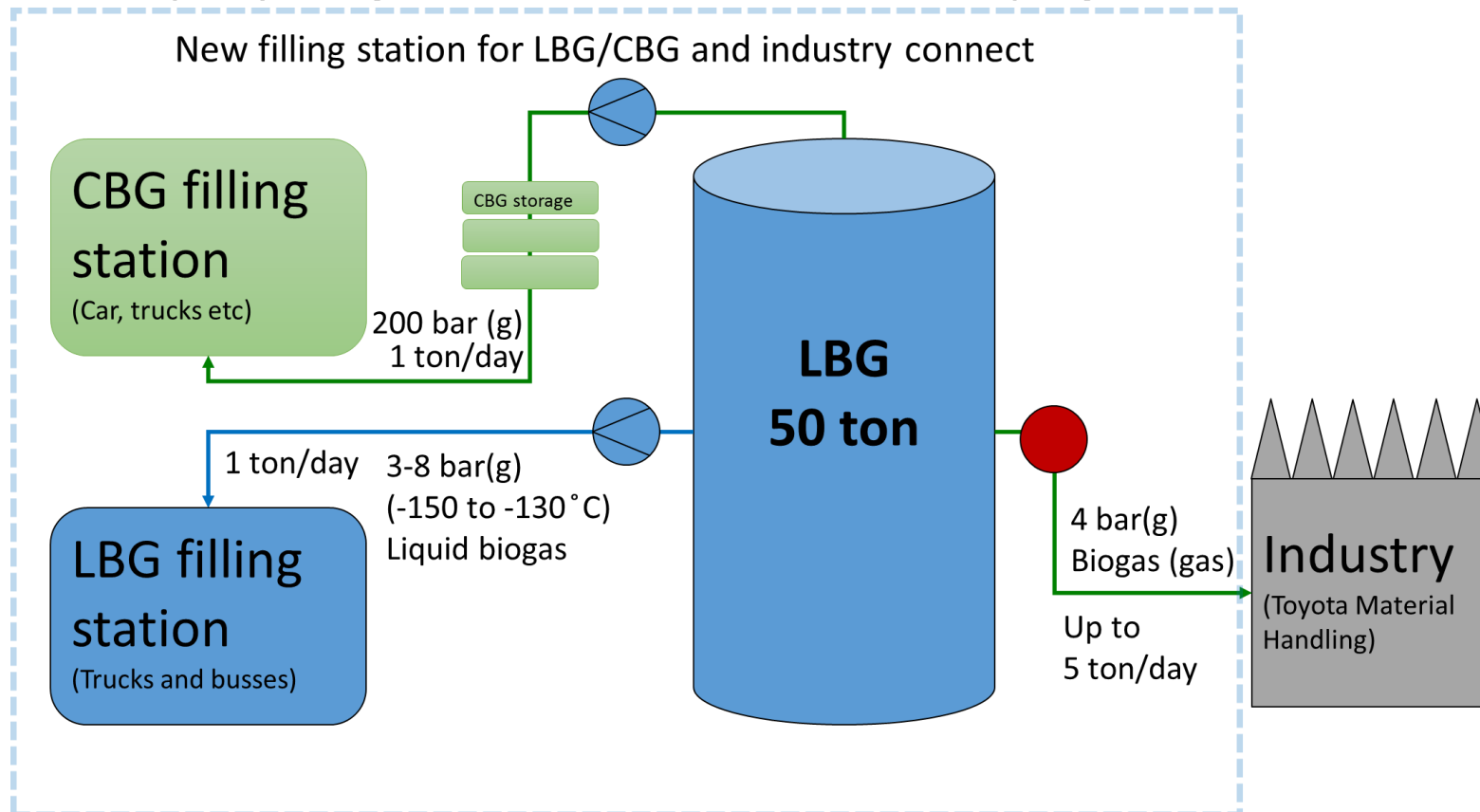
LBG to trucks



Off-grid LBG/CBG/biogas to industry – 3 in 1 solution

Mjölby off-grid station (50 km from Linköping)

New filling station for LBG/CBG and industry connect



Summary

- With the LBG production as a complement to CBG, several new markets and costumers can be reached
- Toyota material handling Sweden will replace all of it propane with 100% renewable LBG this summer – all thanks to the LBG production in Linköping
- We are initially opening 2 filling stations for trucks and busses with LBG (Mjölby and Linköping)
- LBG results in more cost-effective transport to off-grid CBG-stations compared to mobile CBG-racks as well as increasing the possibility to store larger volumes of biogas

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