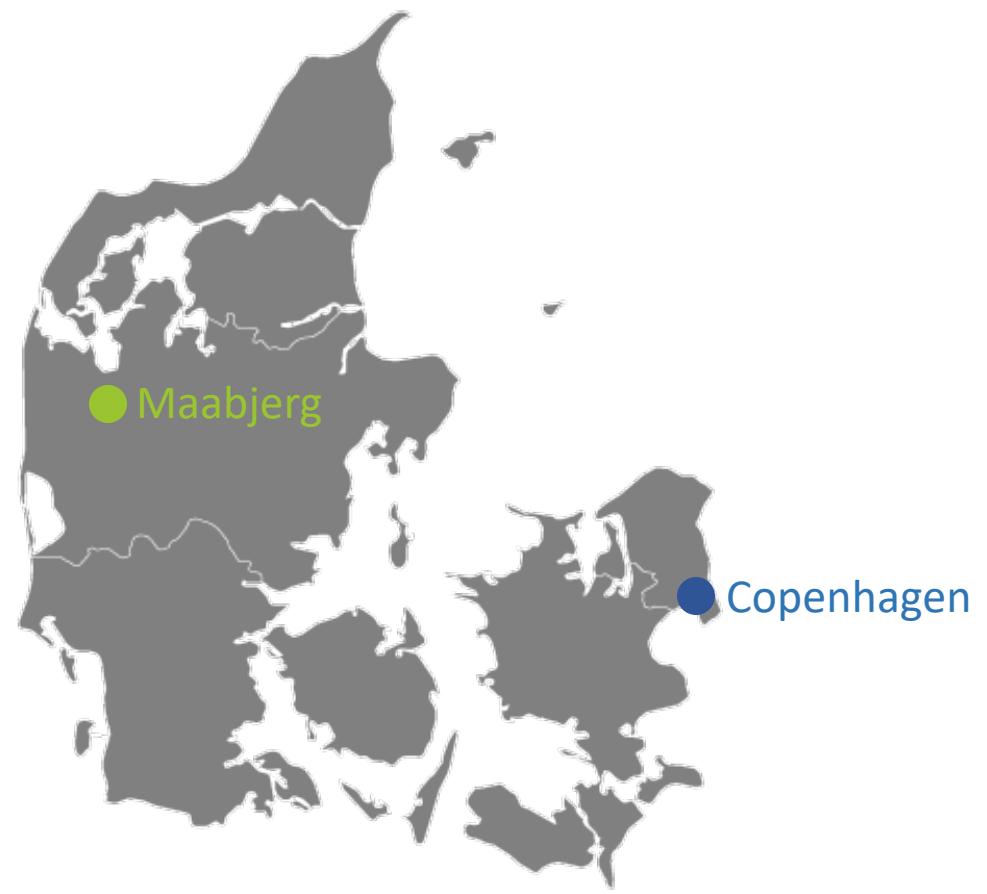




How to move more than 1 million ton of manure each year.



Alan Lunde





- MEC-Biogas collects approx. 500,000 tons of manure / year
- MEC-Biogas has approx. 150 suppliers of livestock manure
- They have a total of approx. 220 collection tanks close to their stables.
- MEC-Biogas receives a further approx. 150,000 tons of waste biomass from the local food industry.
- MEC-Biogas has approx. 200 farms that receive degassed manure.
- The 200 farms have a total of approx. 700 storage tanks within a distance of approx. 40 km from the biogas plant.

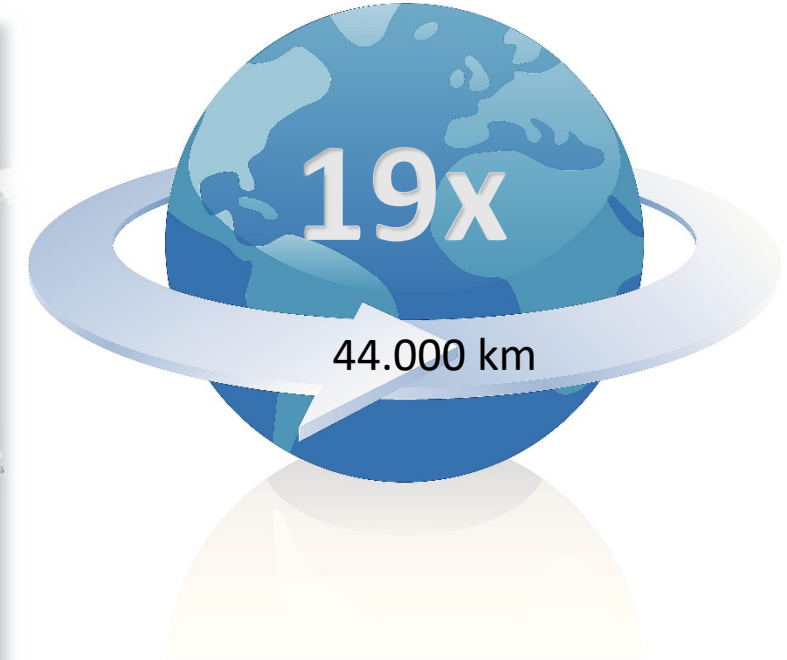
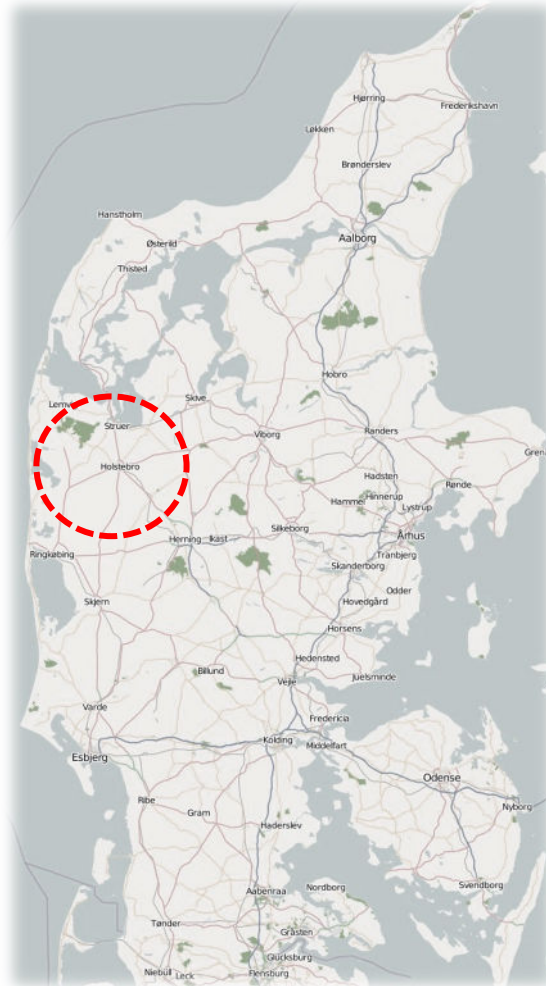
Transport

Each truck drives > 170,000 km each year – or total for 5 > 850,000 km

.... or 19 times around the world every year!

They use approx. 550,000 liters of diesel / year

That's why MEC-Biogas needs to be smart!





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Transport

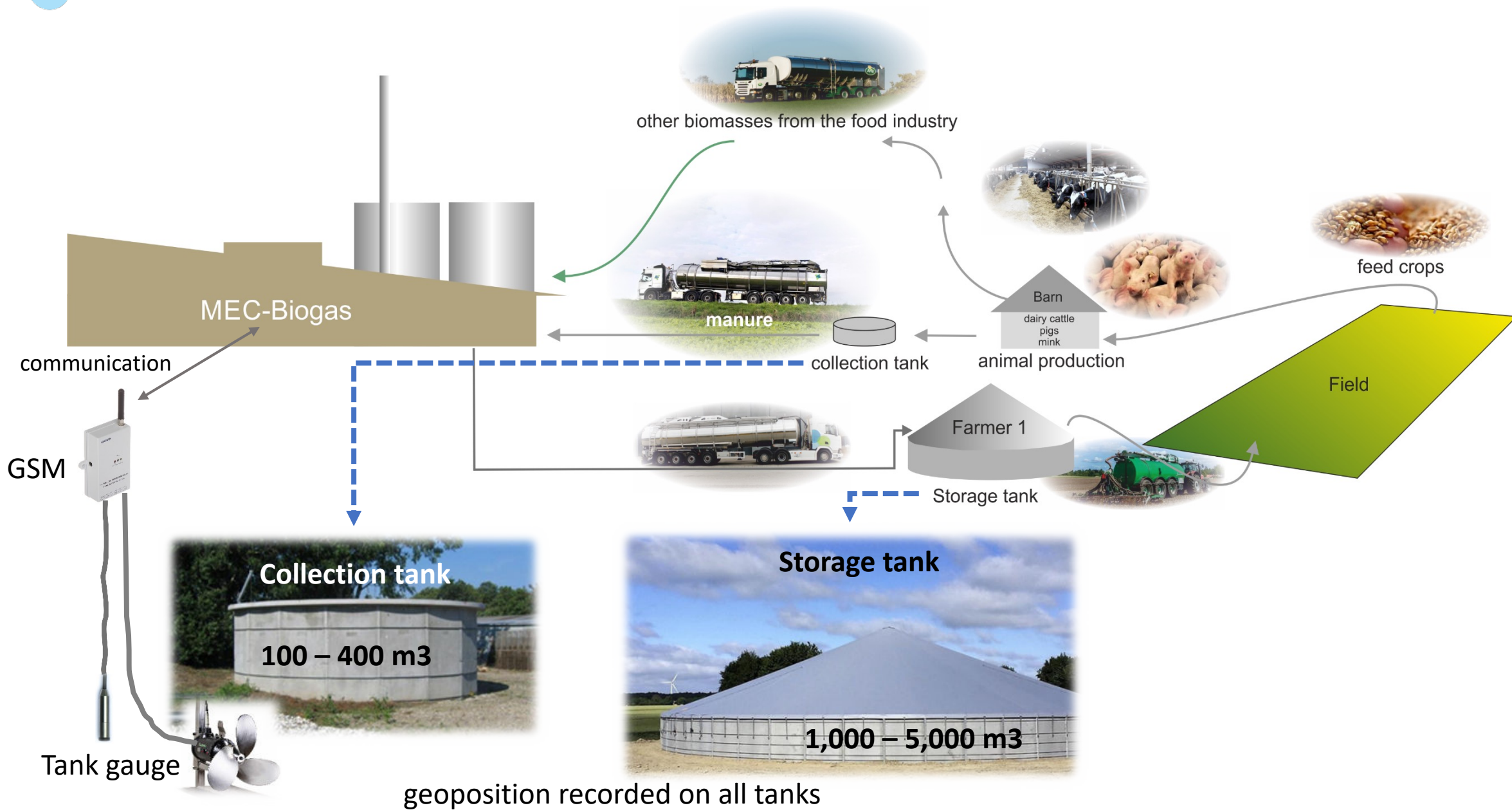
- Logistics is a crucial parameter when it comes to transporting manure that has a low value!
- Each ton contains only potentially approx. 18 m³ of biogas!
- Efficient and optimal transport is very important to ensure a positive economic result for MEC-Biogás!



- Every day from Monday to Sunday, approx. 1,700 tons of manure are collected.
- To handle the transport MEC-Biogas has 5 trucks.
- Each truck has a tank trailer that can load 39 tons.

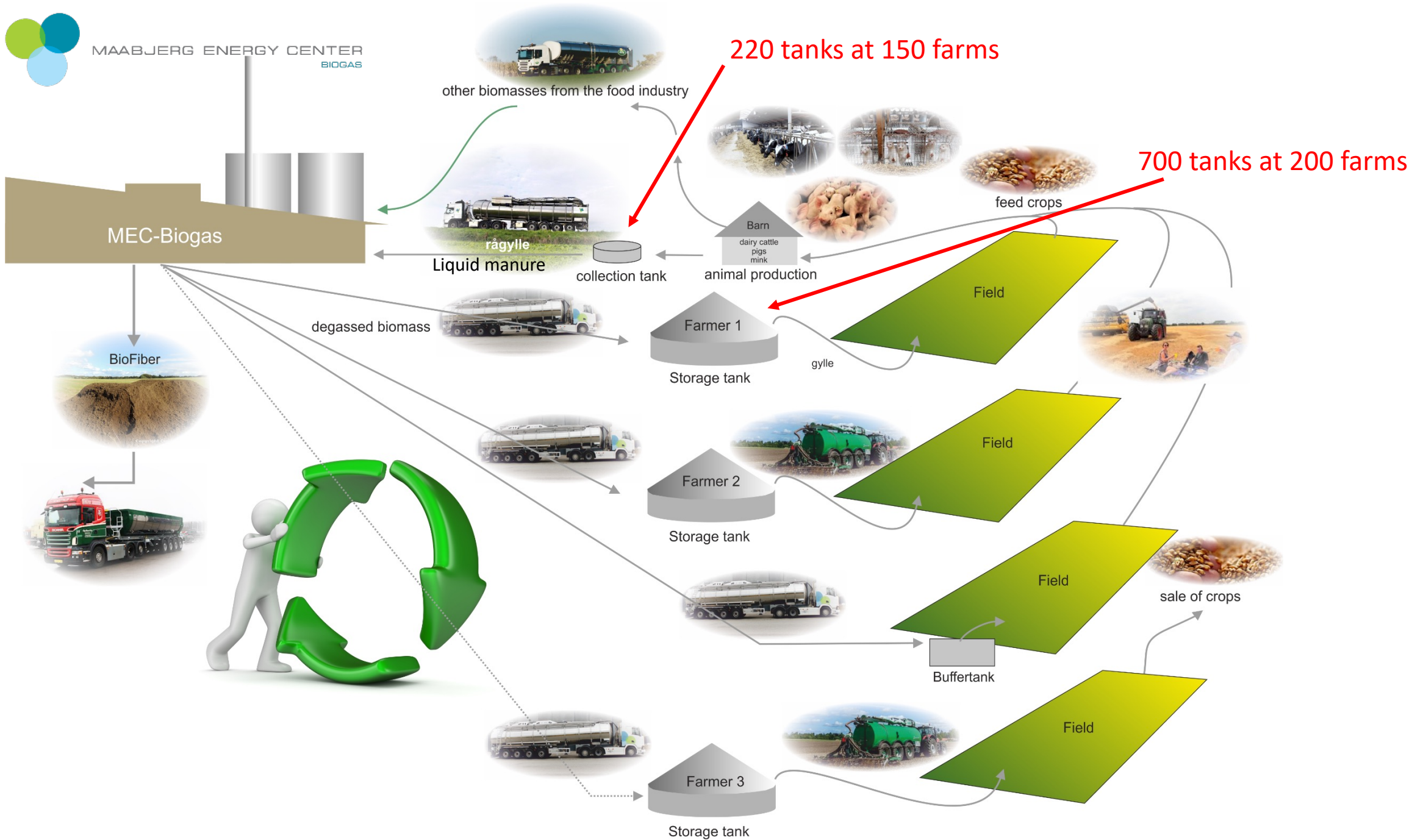


- The trucks typically start at 4 am and finish at 9 pm.





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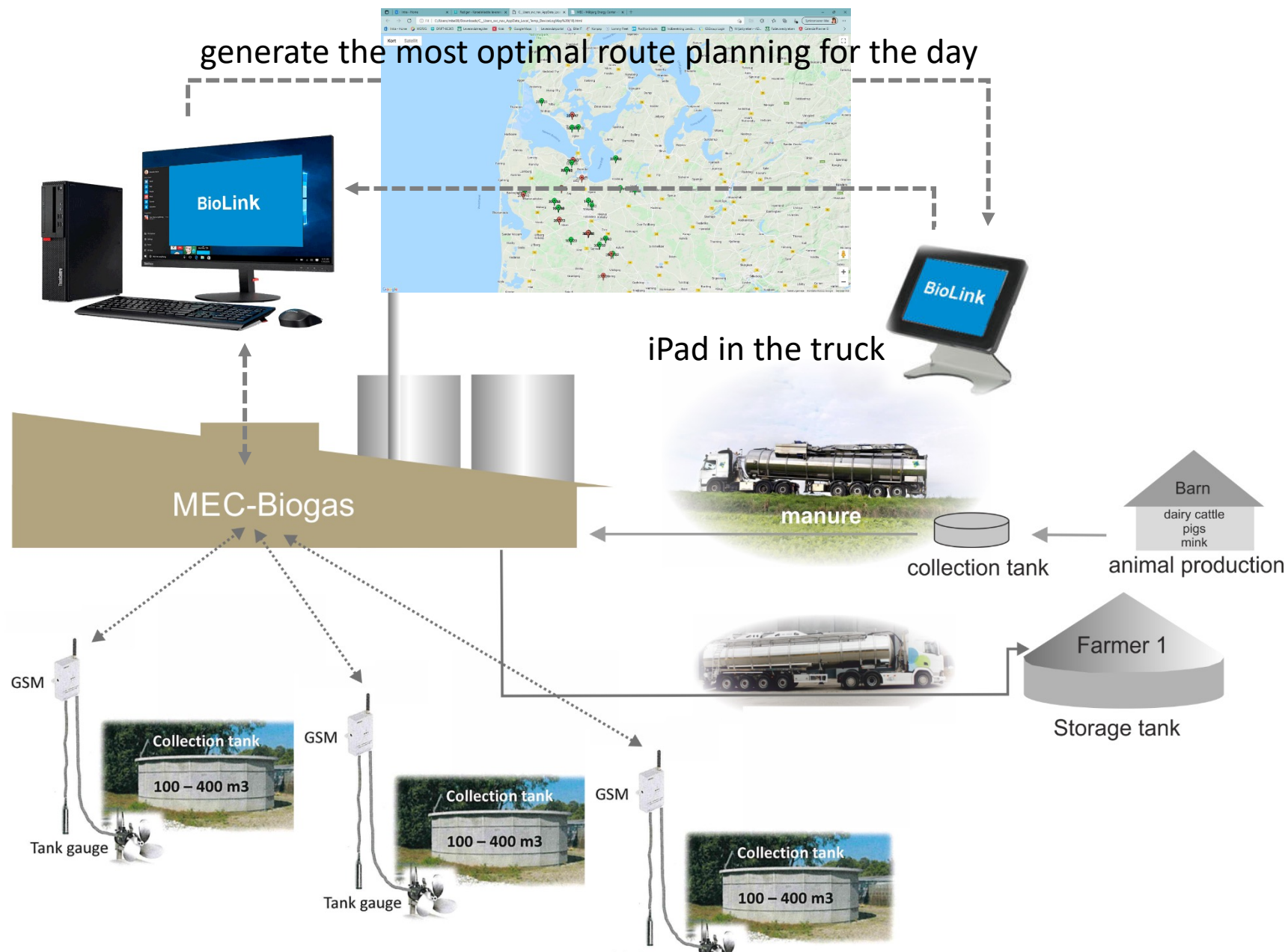




Leveret	Ton 2014/15	Ton 2015/16	Ton 2016/17	Ton 2017/18	Ton 2018/19	Ton 2019/20	Ton 2020/21
Cattle	191.000	216.000	227.000	233.420	244.242	257.637	256.216
Hogs	108.000	109.000	115.000	114.318	96.986	103.519	121.110
Sows/piglets	80.000	80.000	82.000	77.907	47.420	48.998	51.662
Mink	83.000	53.000	61.000	71.608	67.184	51.217	27.060
Mixed	-	-	-	-	36.417	38.347	40.721
Total liquid manure*	462.000	458.000	485.000	497.253	492.249	499.718	496.769
Chicken (solid)**	5.000	4.000	5.800	6.269	9.580	8.243	7.970
Manure in total	<u>467.000</u>	<u>462.000</u>	<u>490.800</u>	<u>503.522</u>	<u>501.829</u>	<u>507.961</u>	<u>504.739</u>
Return to farms	604.000	620.000	629.000	630.000	617.245	630.950	647.650
Total transport*	1.066.000	1.078.000	1.114.000	1.127.253	1.109.494	1.130.668	1.114.419

* transported with own slurry trucks

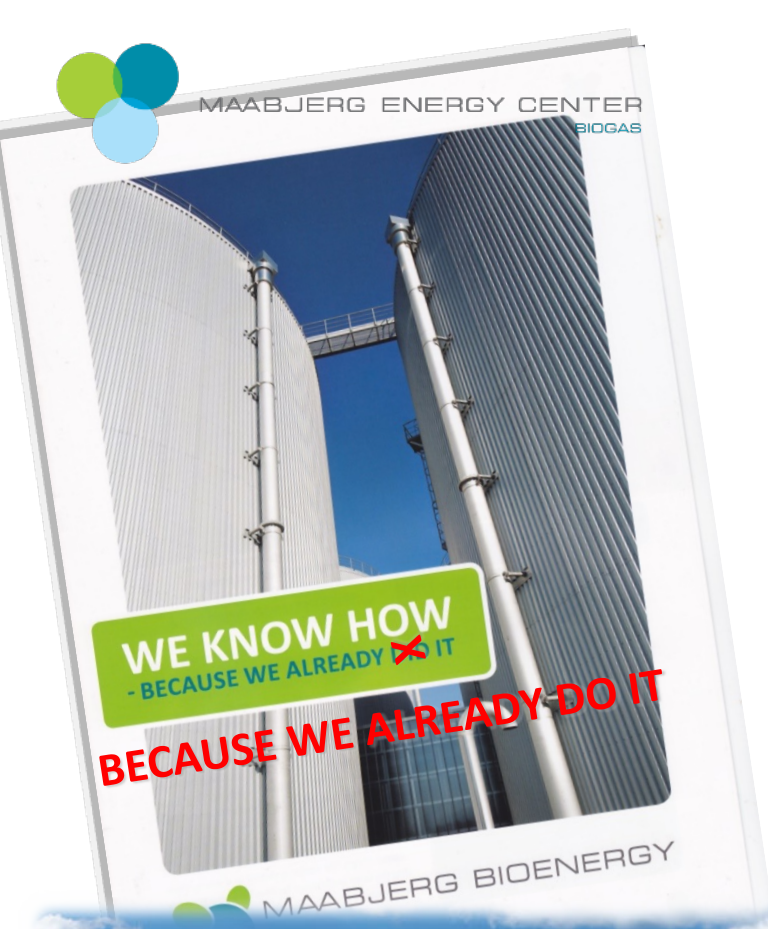
** transported by external trucks



The farmer can send information to MEC-Biogas via BioLink



The image displays three overlapping screenshots of the SAP S/4HANA Fiori 'Expense Analysis' application. The top screenshot shows a list of expenses with columns for Date, Amount, Currency, and various status indicators. The middle screenshot shows a detailed view of a specific expense entry, including a description, amount, and a breakdown of costs by category. The bottom screenshot shows a summary view of expenses, with a table listing various cost centers and their corresponding amounts.



If you come to Denmark one day, you are welcome to visit us at MEC-Biogás and see with your own eyes how we do it!

MEC-Biogás brings more than 30,000 truck loads back and forth each year to farms





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