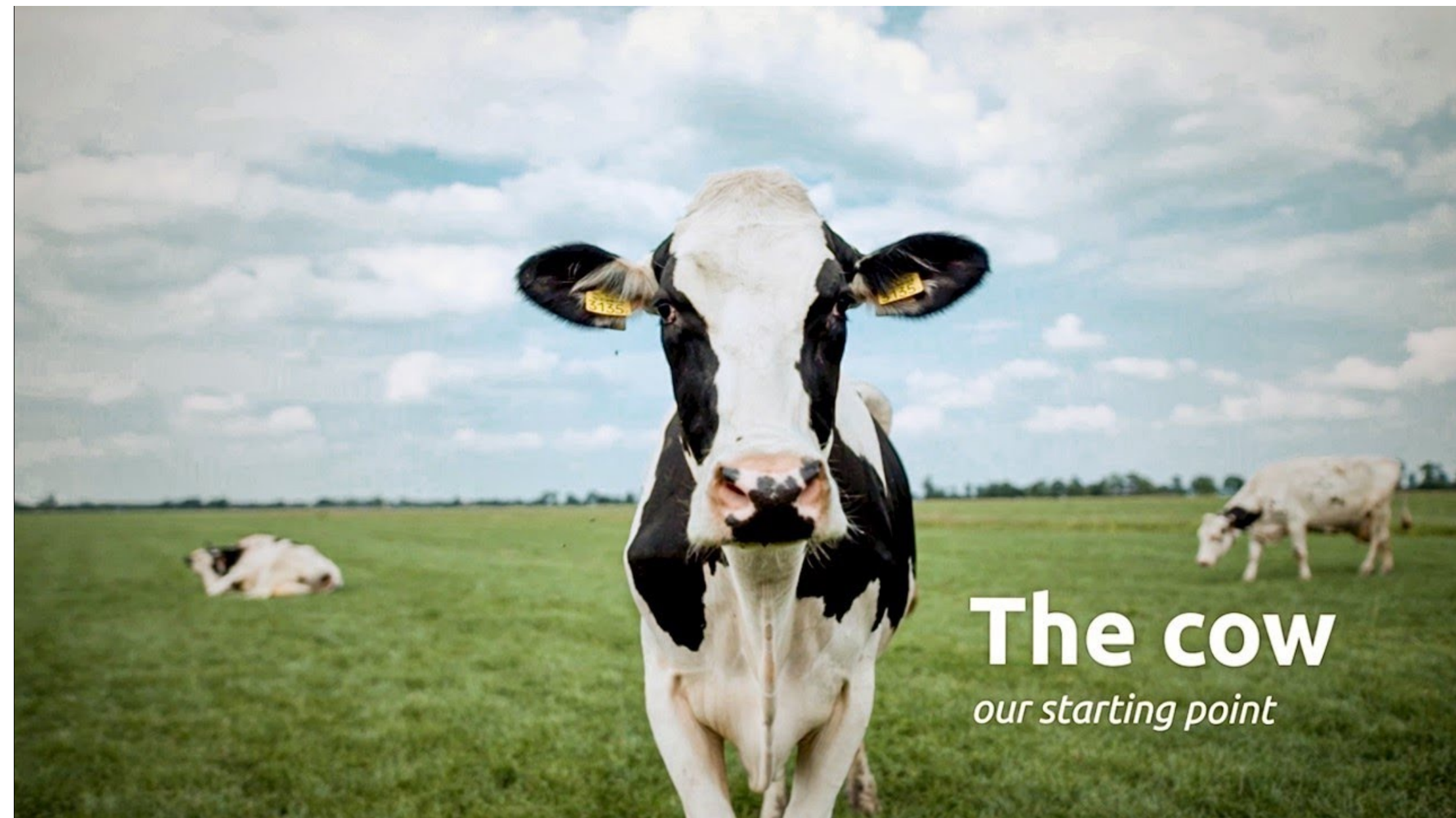


Sustainability @ Lely

12-03-2024 | Tanja Roeleveld

farming innovators





The cow

our starting point

Who we are



Heritage

founded in 1948 to
make the lives of
farmers easier



Lely today

Annual Sales
€ 880 mln

Number of employees
2.600

Investments in R&D
from our product
turnover
8%

Number of living
patents

1.500

Number of
R&D facilities

3

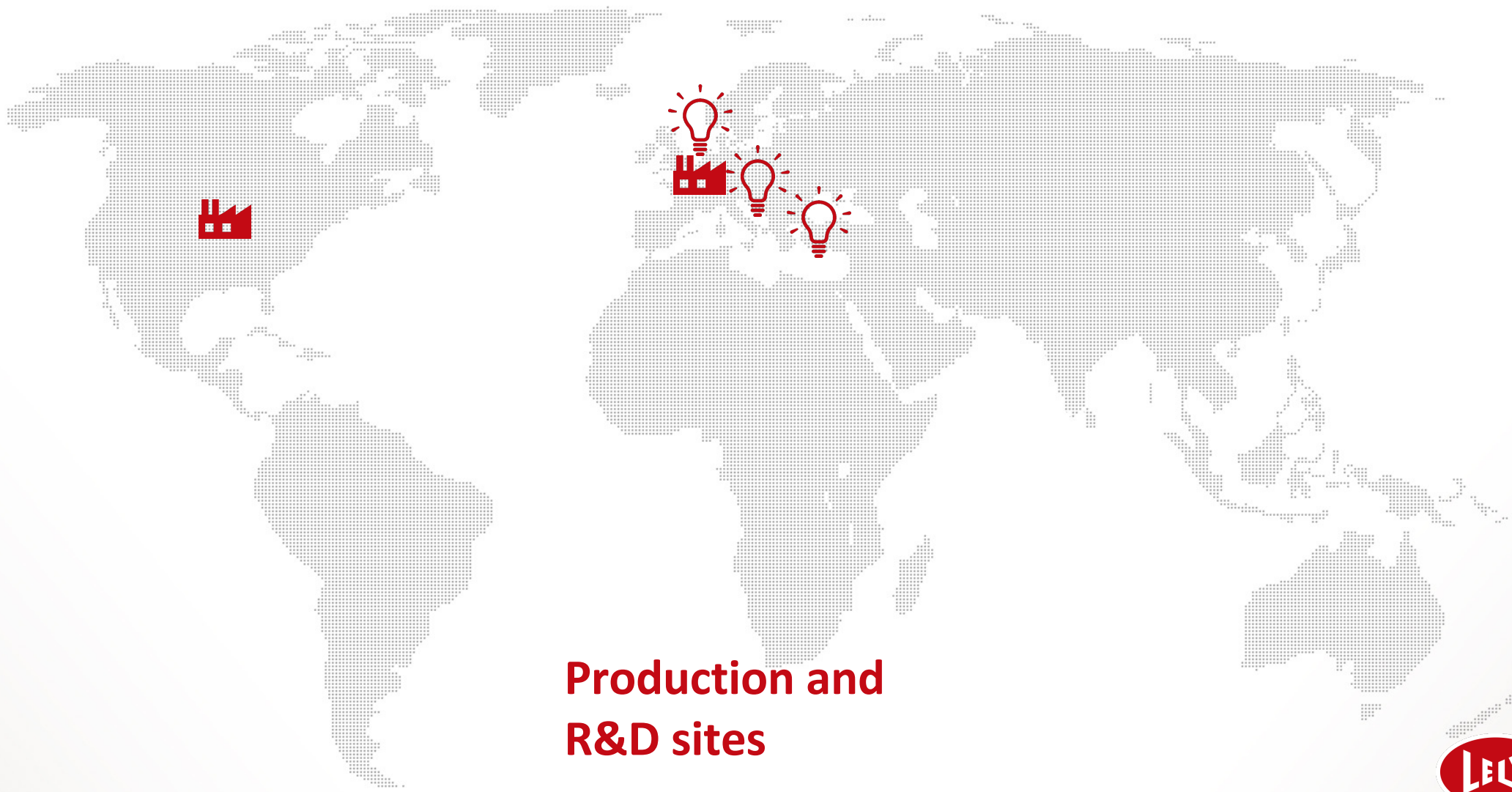
Number of
production facilities

2

Number of
markets

> 50





**Production and
R&D sites**





Our customers worldwide are
serviced by >200 Lely Centers



Sustainability @ Lely



Our Sustainability program

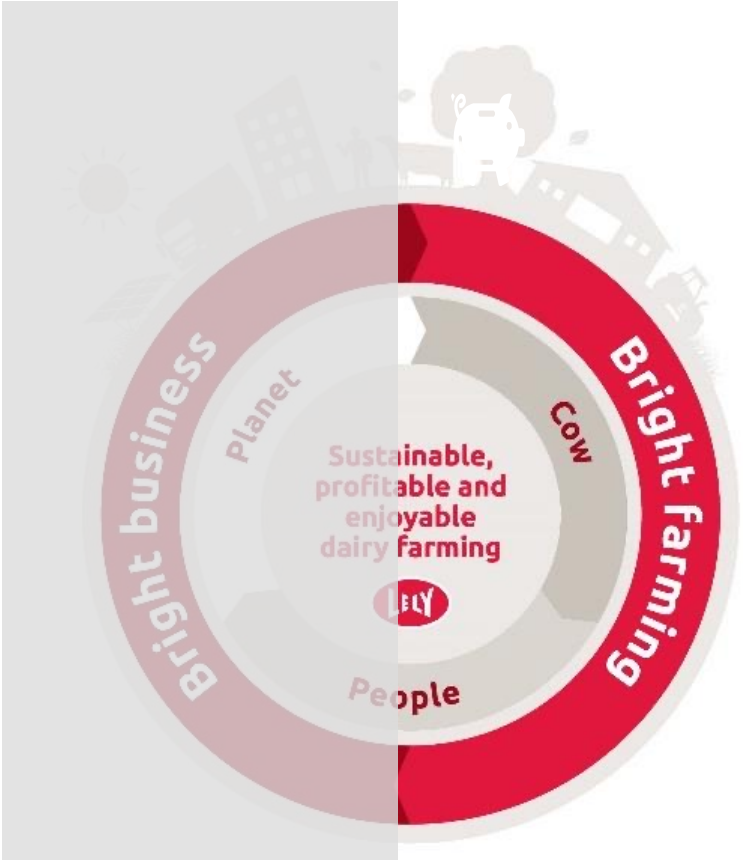
How we act and how we work



Value throughout the dairy chain



Bright Farming Our impact on dairy farming



COW	PEOPLE	PLANET
Improve Animal welfare	Enhance social & financial wellbeing of farmers	Reverse climate impact of farming
		



Bright Business How we act and how we work

CO2

Becoming CO2 neutral



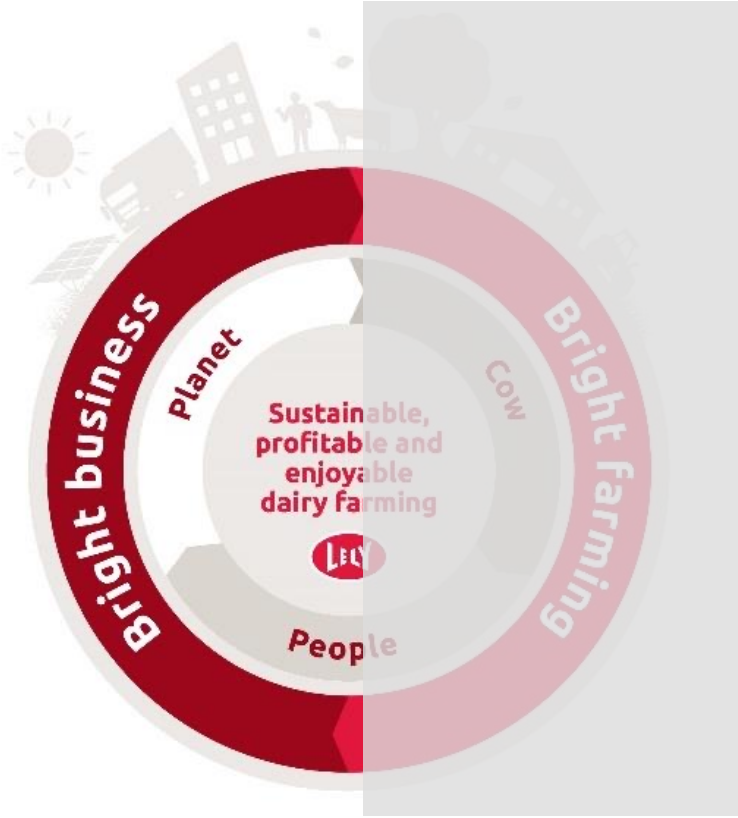
CIRCULARITY

Circular product lifecycle



SOURCING

We source responsibly

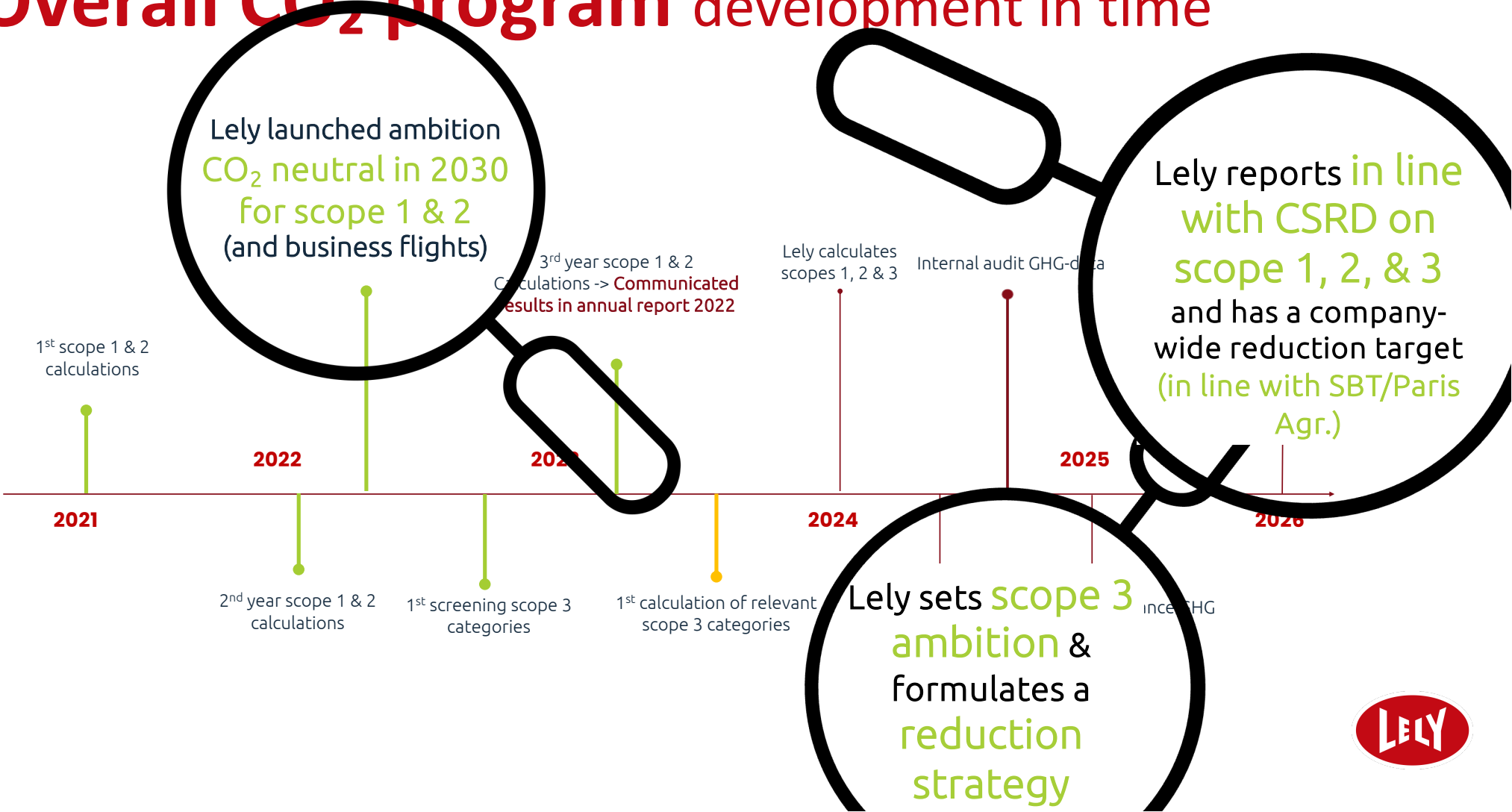


Our ambitions

Context, content & planning



Overall CO₂ program development in time



Our reduction path main drivers & goals

to become CO₂ neutral in 2030 in our own operations

The key drivers & goals



Reach **green electricity** in all facilities in 2027



Have a **100% fossil free** carfleet in 2030



Completely **off the gas** in 2030

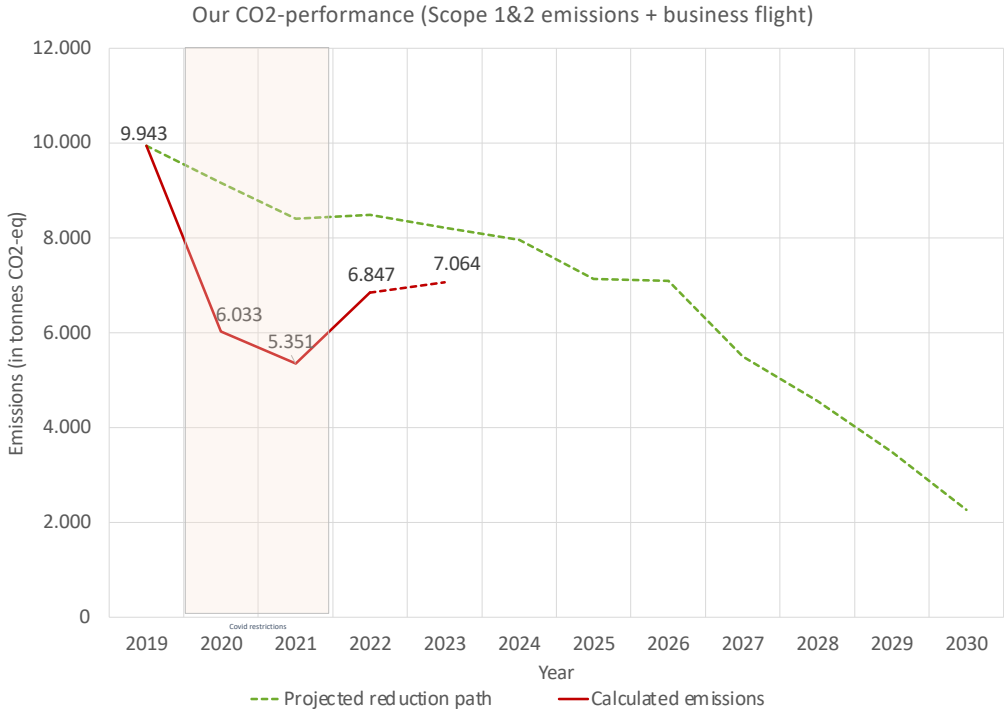


Fly **50% less**



Compensate all CO₂ emissions in 2030 to be 'net zero'

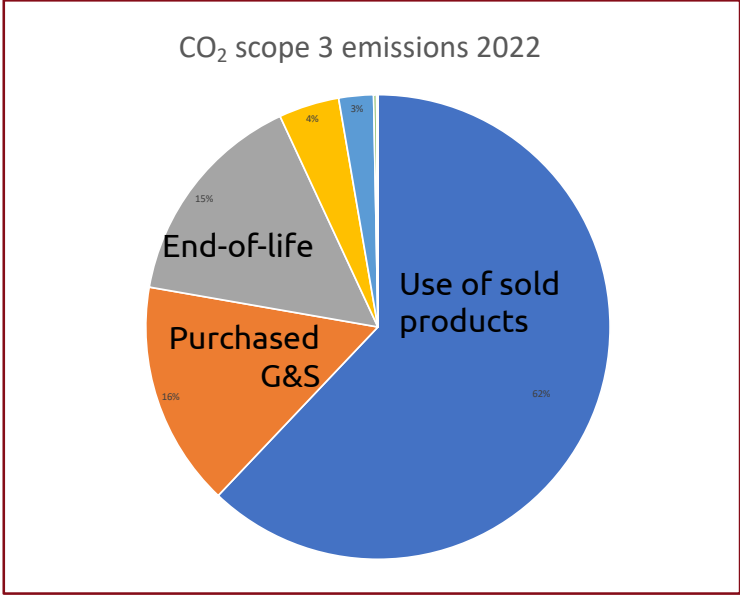
*100% absolute reduction target scope 1 and 2
50% relative reduction target business travel*



Calculated CO₂- footprint Scope 3

first categories give important insights

Category number and name	Share in scope 3 emissions
3.11 Use of sold products	62,08%
3.1 Purchased goods & services	15,67%
3.12 End-of-life treatment	15,33%
3.4 Upstream transportation and distribution	4,21%
3.14 Franchises	2,41%
3.6 Business travel	0,20%
3.7 Employee commuting	0,08%
3.3 Fuel- and energy-related activities	0,01%
3.5 Waste generated in own operations	0,01%
3.2 <i>Capital goods*</i>	0,00%
3.8 <i>Upstream leased assets*</i>	0,00%
3.9 <i>Downstream transportation and distribution*</i>	0,00%
3.10 <i>Processing of sold products*</i>	0,00%
3.13 <i>Downstream leased assets*</i>	0,00%
3.15 <i>Investments*</i>	0,00%
Total scope 3	



Categories marked with * are not yet included in our calculation and will to be calculated

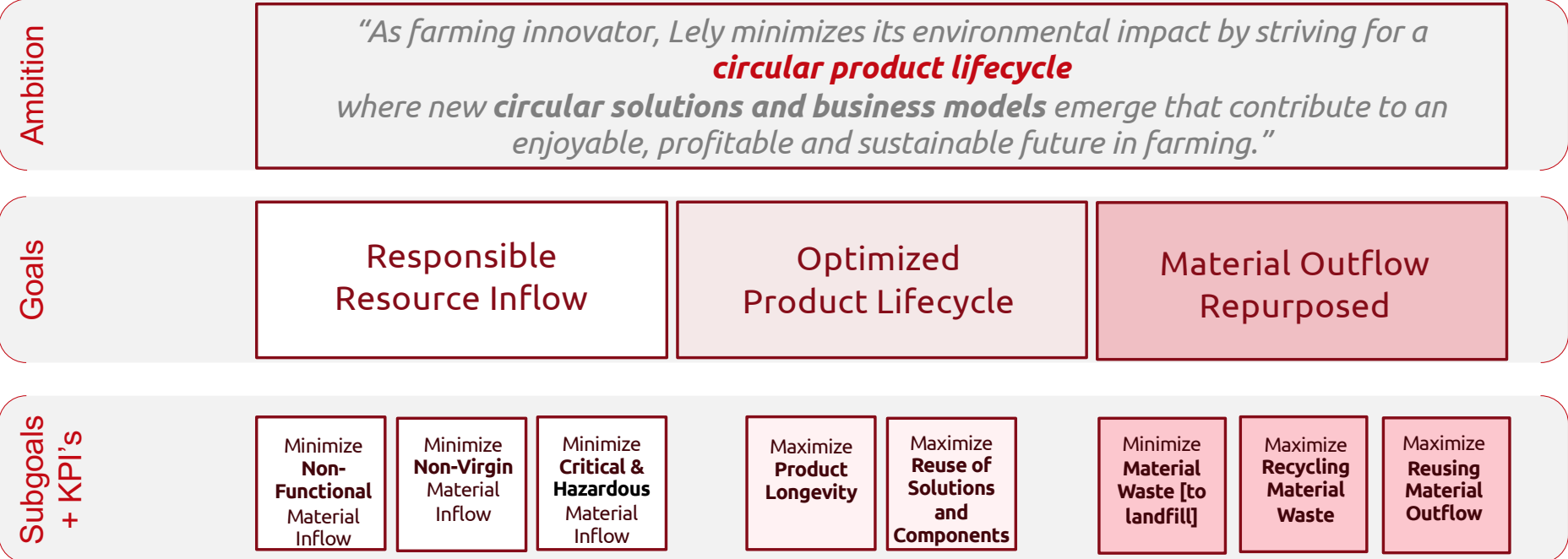
Insights

Scope 3 is the largest scope of Lely's emissions
 Over 90% of our CO₂ impact is in our products: pre-use , use and post-use phase – all covered in our circularity program



Circularity program in place

to reduce the impact of our solutions



Three streams of activities to achieve a Circular Product Lifecycle

1. Goal Specific Activities

*Activities to achieve:
Responsible Inflow,
Optimized Lifecycle,
Minimized Outflow*












2. Data & Governance

*Activities related to:
Data Gathering, Setting
Targets, Impact Materiality
and Compliance.*

3. Organisation & Change

*Activities that enhance:
Circular Capabilities,
Communication and
Community Building*

Examples of goal specific Activities

	R0 Refuse
	R1 Rethink
	R2 Reduce
	R3 Reuse
	R4 Repair
	R5 Refurbish
	R6 Remanufacture
	R7 Repurpose
	R8 Recycle
	R9 Recover
	Landfill or Incineration

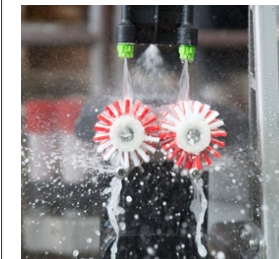
Refuse Hood Astronaut – Challenge to tackle

- Every Astronaut is shipped with a hood (mandatory item) while in many barns (NA appr. 50%) the Astronauts are placed in a robot room with a permanent roof.
- This results in 62,40 tonnes CO2 (material impact, transport not included) for NA in 2022 that could be avoided
- Currently, the Lely hood ends up as landfill.



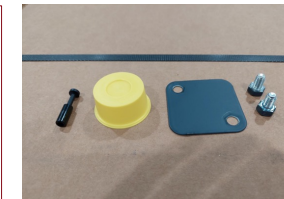
Rethink brush unit

- By initiative of a circular minded PD'er, the redesign of the Astronaut brush unit is modular. The unit used to fully replaced when one part was broken.
- This redesign saves 64.300 kg CO2 per year (material impact, transport not included).
- Moreover, it saves the farmer money by replacing small parts instead of the complete unit and it saves the LC time as the repair is done quicker.



Reuse vacuum pump packaging

- The Astronaut vacuum pump is supplied with various cover caps, plates and bolts during production and transport. Initiated by mechanics, these materials are added to the existing return process.
- The returned materials can be used up to 10 times.



Recycle Consumables packaging Benelux

- Q1 + Q2 2023: 84.103 kg plastic returned
- 50% of the customers joined
- Executed by third party
- Next steps: increase number of customers, increase efficiency and roll-out to other countries (Denmark and Sweden).



farm  *innovators*

