

Company presentation

# QUANTAFUEL ASA

*12 January 2022*

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# TURNING PLASTIC WASTE PROBLEM INTO BUSINESS

Attractive economics and supportive opinion drives change towards recycling



**370mill**

Tonnes of plastic produced  
yearly



**86%**

Of plastic packaging is not  
recycled



**>8mill**

Tonnes of plastic ends up in the  
ocean every year



**50% / 55%**

EU plastic recycling target  
2025 / 2030

# QUANTAFUEL – A LEADING RECYCLER OF PLASTIC WASTE

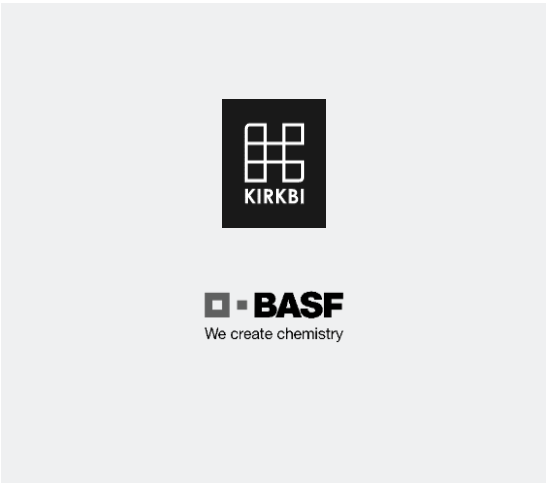
## About Quantafuel

- A technology-based recycling company converting plastic waste back into low-carbon synthetic oil products replacing fossil oil feedstock
- Has one recycling plant in Denmark, one in Norway, and targets to build a number of facilities across Europe and beyond
- 90 employees with headquarters in Oslo, Norway
- Listed on Euronext Growth with solid liquidity and a market cap of around NOK 4.5 billion
- In collaboration with dedicated partners, Quantafuel works to achieve the dual goals of recycling low-quality plastic and sustainable waste management
- Quantafuel has strengthened waste sourcing operations by acquiring 40%<sup>1</sup> of the leading resource management company Geminor, which covers ten European markets

## Strategic partners



## Selected strategic shareholders



## Governance



Lars Rosenløv,  
CEO



Kristian Flaten,  
CFO



Ann-Christin Andersen,  
Chair of the Board

1) 40% ownership in Geminor, option to buy remaining 60%

# QUANTAFUEL HAS A STRONG ESG PROFILE

The sustainability case for plastics waste recycling

## Environmental

- Provides a solution to the growing plastic problem as it recycles the waste into high quality products
- Creates a circular economy for plastic
- Chemical recycling of plastic waste reduces the carbon footprint by > 50%
- Increases resource efficiency
- Reduces the need for long-distance transport of waste

## Social

- Strict operational procedures and HSEQ management systems based on ISO standards for the Skive plant
- No major reported HSE incidents to date, including both subsidiaries and contractors

## Governance

- No family relationships among the board members or between board members and management
- Limited arrangements with major shareholders, customers and suppliers, pursuant to which members of the board/management were selected. However, Board representation from largest shareholders-
- One share with one voting policy gives all shareholders a say proportionally to their respective ownership

### UN's sustainable development goals



The more plastic waste Quantafuel can process, the more barrels of oil and gas will be left in the ground



Builds sustainable industry based on resource-efficient use of local waste-based resources



Creates green jobs in production facilities designed to meet the highest sustainability standards



Contributes to a circular efficient use of resources by rescuing plastic waste from its final stop at the incineration plant



Plastic is expected to drive oil demand in the coming decades, in a context where the world has committed to decarbonize



# KEY HIGHLIGHTS

Building foundation for 2022 operations

- HSE: Zero recordable incidents
- Skive close to Proof-of-Concept
- Kristiansund ramping up production
- Signed MOU for Dubai PTL plants
- UK projects in permitting phase
- Esbjerg Sorting Plant developing to plan
- Project pipeline developing to plan
- Strong interest in Quantafuel products





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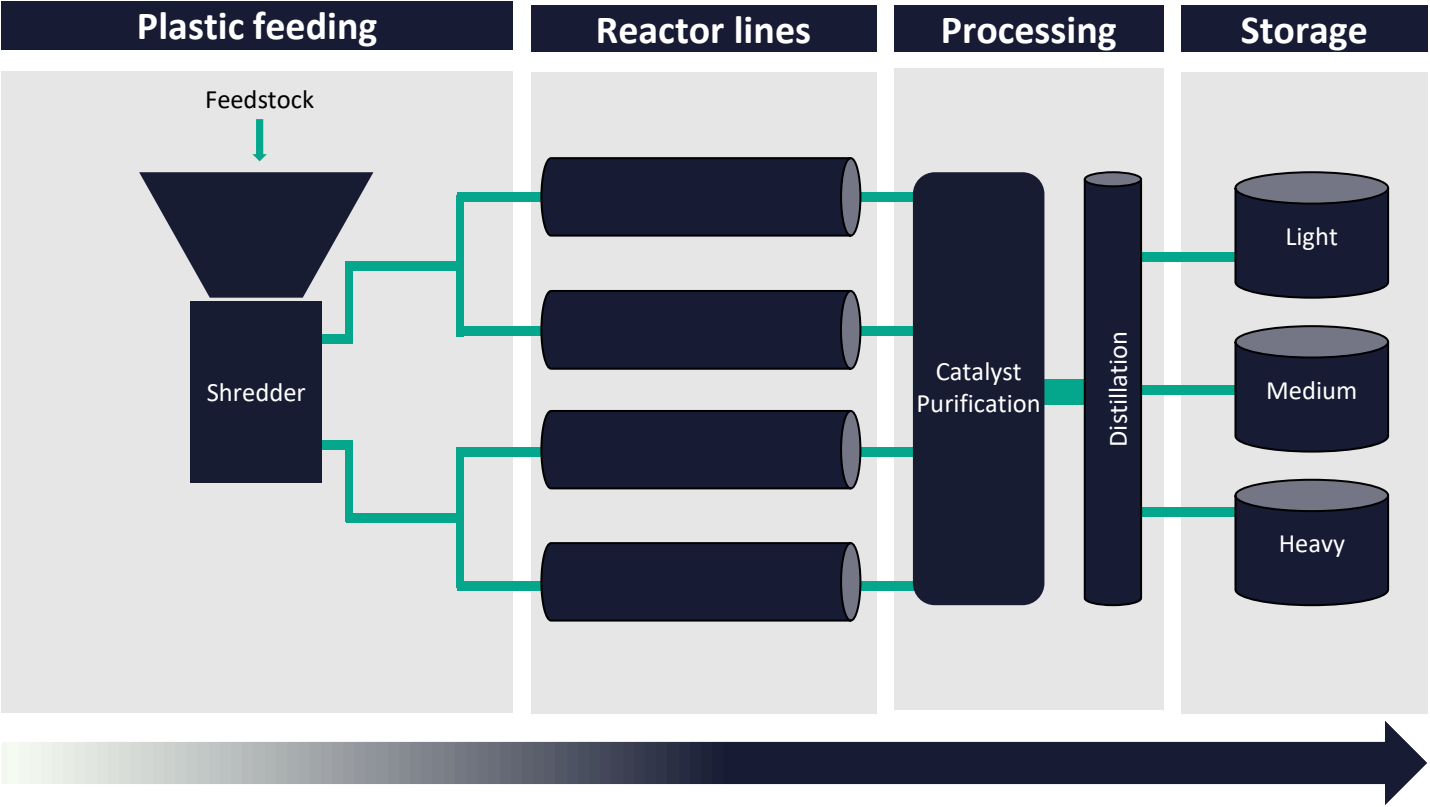


# SKIVE – ON TRACK FOR PROOF OF CONCEPT

Successfully completed turnaround and prepare for operational ramp-up



# SKIVE – SIMPLISTIC PLANT LAYOUT



# KRISTIANSUND – RAMP-UP ON TRACK

Market prices better than expected

- Developing a unique plant with 30,000 tonnes annual capacity for sorting, 20,000 tonnes annual mechanical (and chemical recycling – pilot test)
- New mechanical recycling line in operations in November 2021
- Market prices in mechanical recycling better than expected
- Testing of pilot reactor for chemical line is ongoing, processing plastic waste and producing chemicals with promising quality



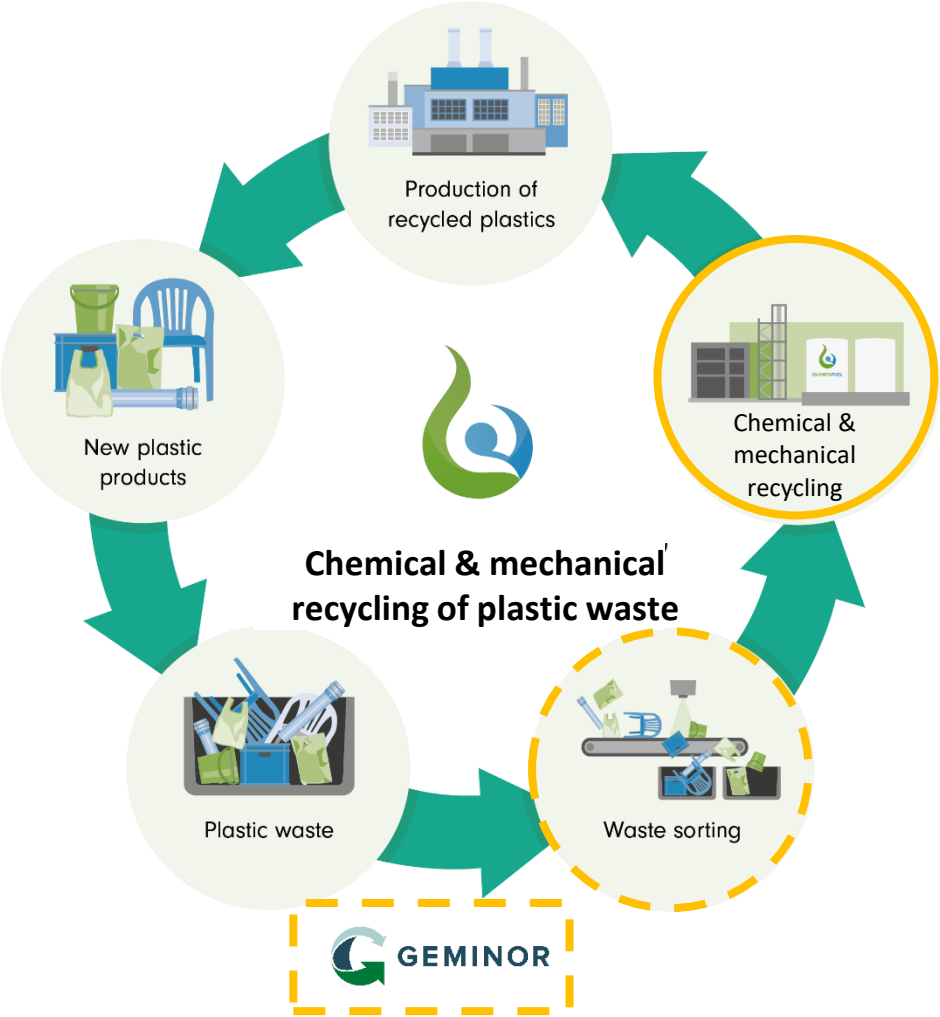




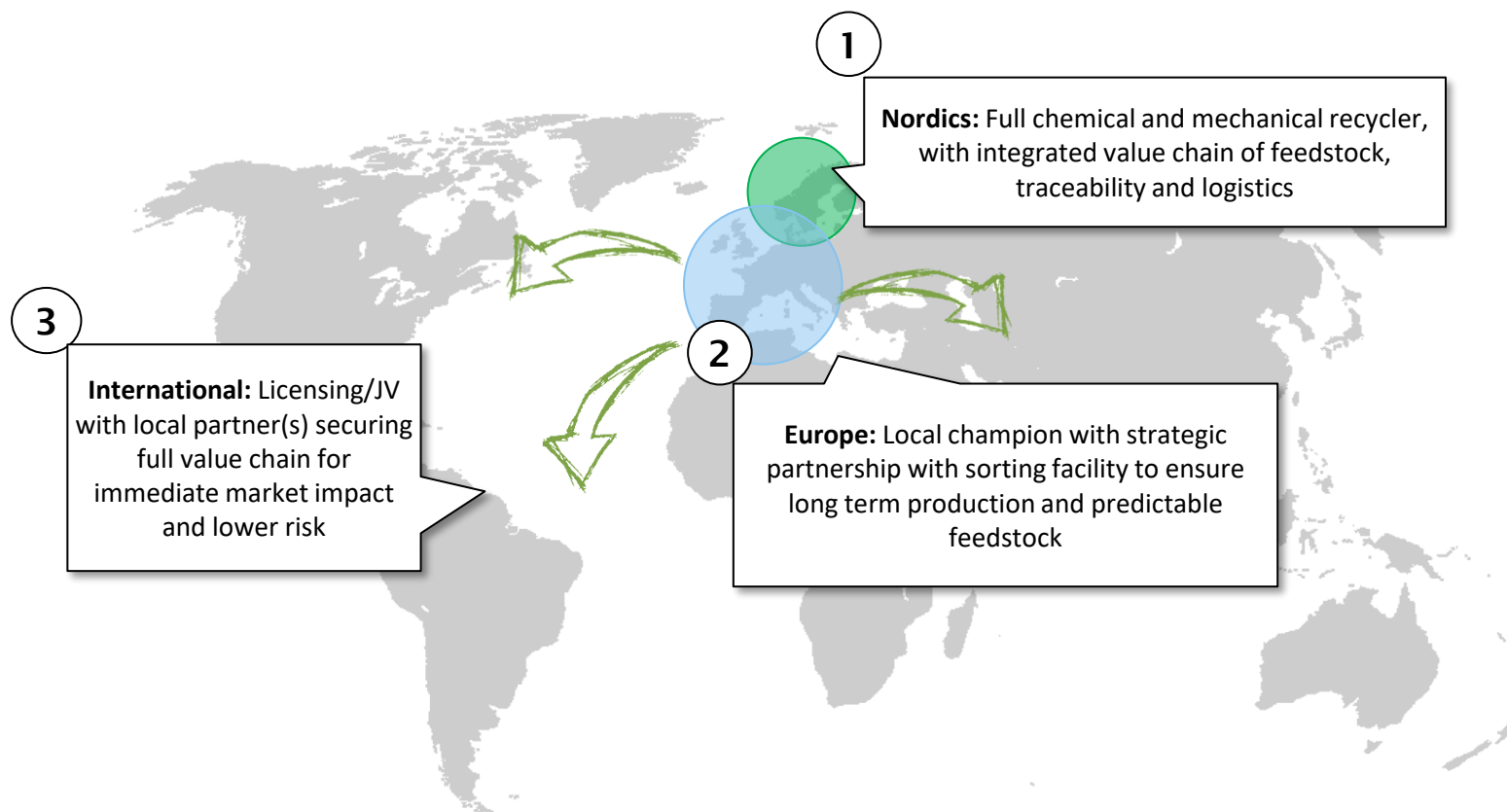
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# QUANTAFUEL ENABLES A CIRCULAR PLASTIC ECONOMY

Chemical recycling complements traditional mechanical recycling



# INTERNATIONAL ROLL-OUT STRATEGY



Secure enough **upstream integration** to understand waste flow, pricing and commercial market opportunities

Scalability and driving **economy of scale** through optimised, standardised and modularised processing plants

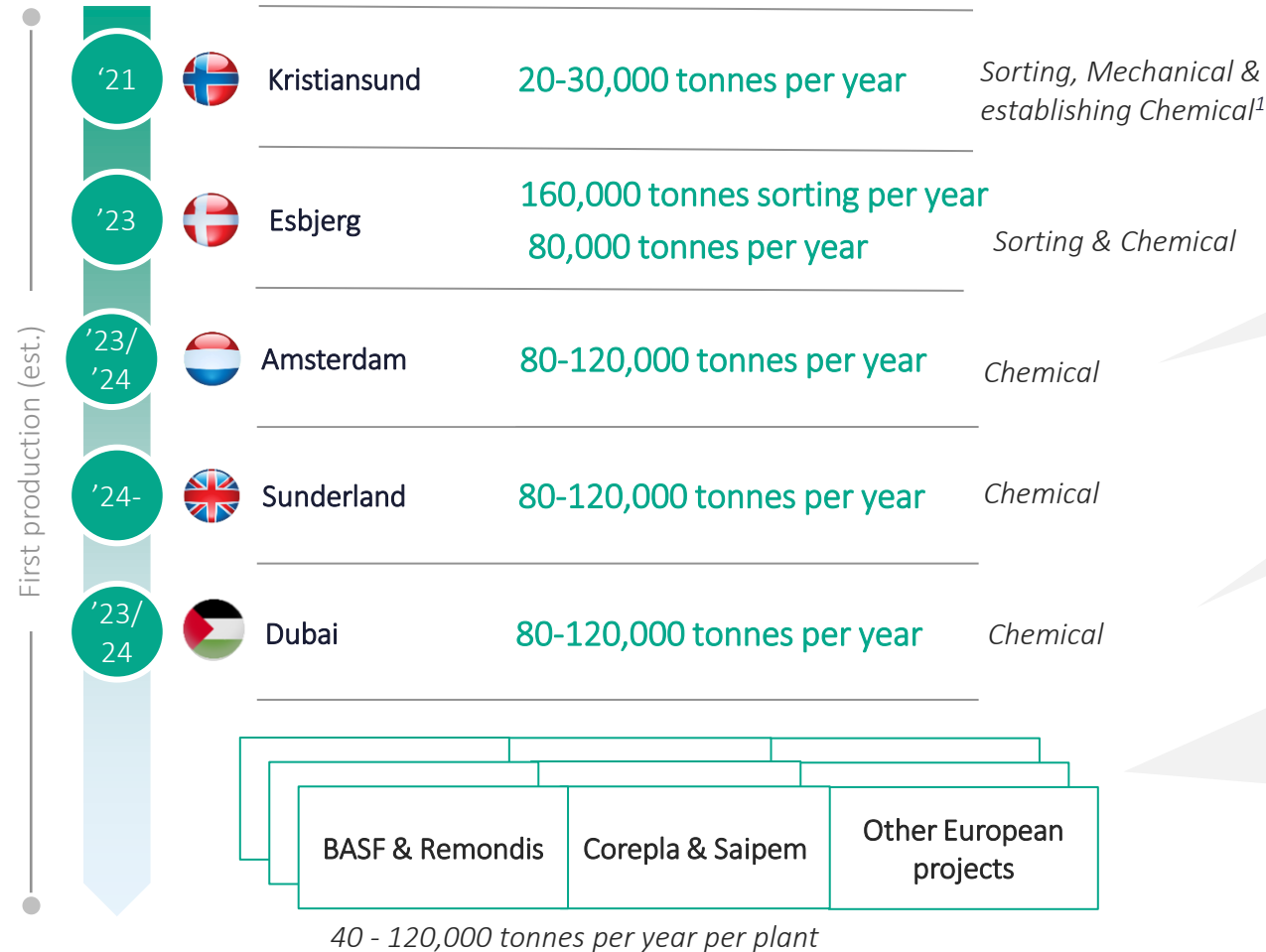
Deliver **traceability** through credible end-to-end **certificates** of source and product





# PIPELINE PROJECTS

Significant upside from acting now – clear first mover advantage for Quantafuel



1) Chemical recycling / Plastic to Liquid (PTL) plant

# ESBJERG (DK)

Becoming a market leader in an attractive part of the value chain



Large untapped potential for plastic sorting and recycling in Denmark



Ready to start construction of the sorting plant



Attractive plant economics

Sorting plant NOK 670 million capex, unlevered IRR >30%

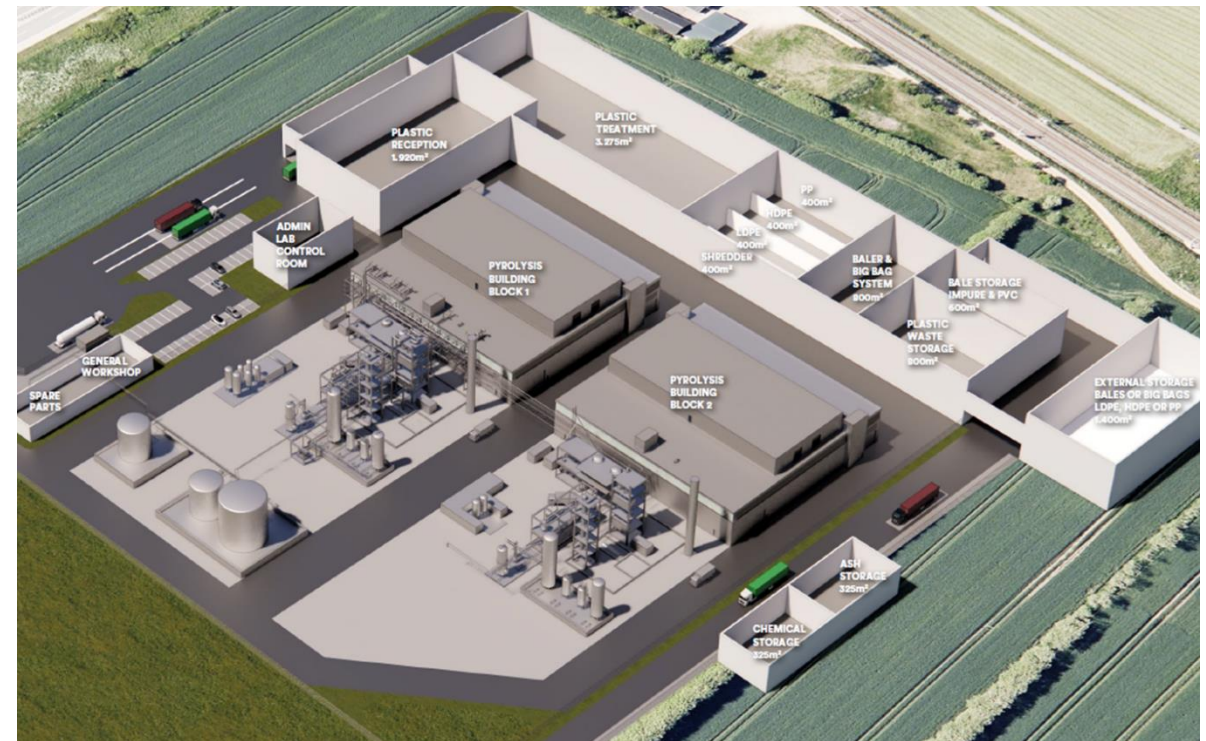


Favourable political landscape



Significant contributor to the circular economy. Taking control of the early value stream for plastic recycling in Denmark in a sustainable manner

## State-of-the art sorting plant and PTL plant



The strategic rationale for establishing a large-scale plastic sorting plant in Denmark is strong. The Danish government recently announced a 60%<sup>1</sup> recycling target and today, the sorting and recycling capacity in Denmark is low.

1) Jan 2022 target for recycling of municipal plastic waste in Denmark  
Source: Company information, Rambøll

- Signed MOU with ENOC and Dubal Holding<sup>1</sup> for the development of large scale PTL plants
- Signed framework agreement with Saipem
- Strategically located sites evaluated
- The UAE Net Zero by 2050 Strategic Initiative
  - A national drive to achieve net-zero emissions by 2050
  - The Plastic-to Liquid project with Quantafuel will be a significant step towards a circular economy by converting non-recyclable plastics into valuable products





# SUNDERLAND (UK)



- Quantafuel's first UK plant is planned for Sunderland, in Northeast England
- A prime 50,000 m<sup>2</sup> site in the Port of Sunderland has been selected
- More than 100,000 tonnes of plastic waste to be processed
- Strong support from the City Council
- Quantafuel ownership 100%



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# SUMMARY



Skive turnaround successfully completed and ramping up towards full production



Kristiansund investment on track towards positive operational cash flow



Strong project pipeline in preparation for our industrial roll-out



Global interest in our plants and products

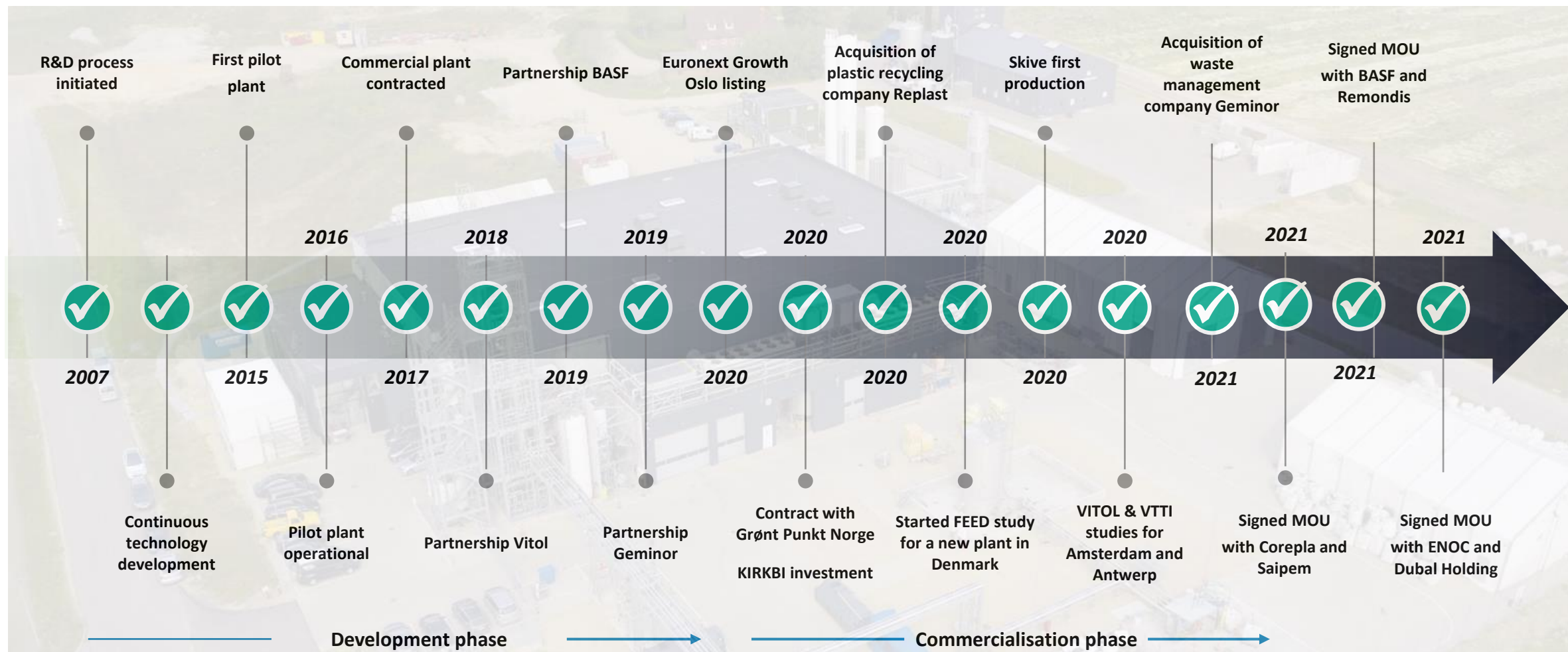




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# THE HISTORY OF QUANTAFUEL

Pole position to become a European leader in chemical plastic recycling



# STRATEGIC PARTNERS

Secured strong partnerships supporting Quantafuel’s development

## Selected partners and Quantafuel shareholders



- World largest oil trader
- 40 offices worldwide
- >5,000 employees
- Revenue of USD >200bn

“  
We’re going to turn it into the biggest plastic recycler in the world  
”  
*Russel Hardy, CEO Vitol*



- World largest chemical company
- 41 offices worldwide
- >100,000 employees
- Revenue EUR >65bn
- Shareholder

“  
Moreover, the partnership is a first step to build up a broad supply base for Chemcycled products. This enables us to support our customers in achieving their sustainability targets  
”  
*Hartwig Michels, President Petrochemicals BASF*



- The Kirk Kristiansen (LEGO) family’s private holding and investment company
- >16,000 employees
- Equity DKK >100bn
- Shareholder

“  
Quantafuel has taken an innovative and scalable approach to solving a key problem, resulting in strong business potential while ensuring a high environmental impact  
”  
*Thomas Lau Schleicher, Chief Investment Officer Kirkbi*

Source: Vitol, BASF, KIRKBI



# MANAGEMENT TEAM AND BOARD OF DIRECTORS



**Lars Rosenløv**  
CEO



**Ann-Christin Andersen**  
Chair



**Dr. Thorleif Enger**  
Director



**Terje U. Eiken**  
COO



**Dr. Maximilian Walter**  
Director



**Wenche Teigland**  
Director



**Dr. Christian Lach**  
CCO



**Margrethe Smith**  
Director



**Kasper Trebbien**  
Director



**Kristian Flaten**  
CFO



**Berit Koppervik**  
Director



**QUANTAFUEL**

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