

ONE MAN'S WASTE, IS ANOTHER'S RESOURCE

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WORLD CLASS GREEN
INDUSTRIAL PARK

VISION AND STRATEGIC POSITION

Mo Industrial Park has the aim of becoming a **green industrial park of world class**, and create values through focusing on environment-friendly and energy efficient services and solutions.

MIP SUSTAINABILITY

**ENERGY
EFFICIENCY**

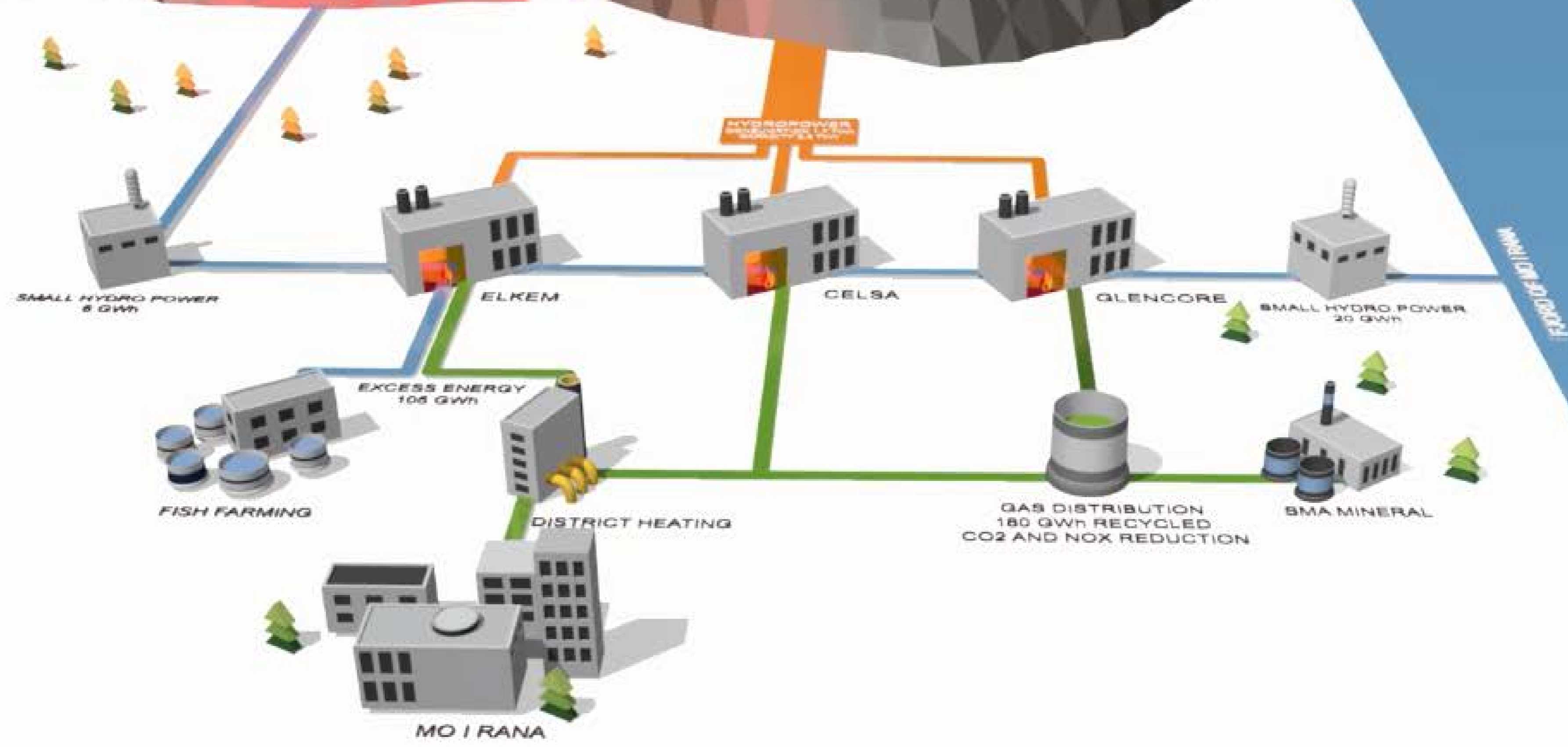


**CIRCULAR
ECONOMY**



**REDUCTION IN
EMISSIONS**





**TOTAL RECOVERY:
400 GWh**

ENERGY RECOVERY TARGET

620 GWH

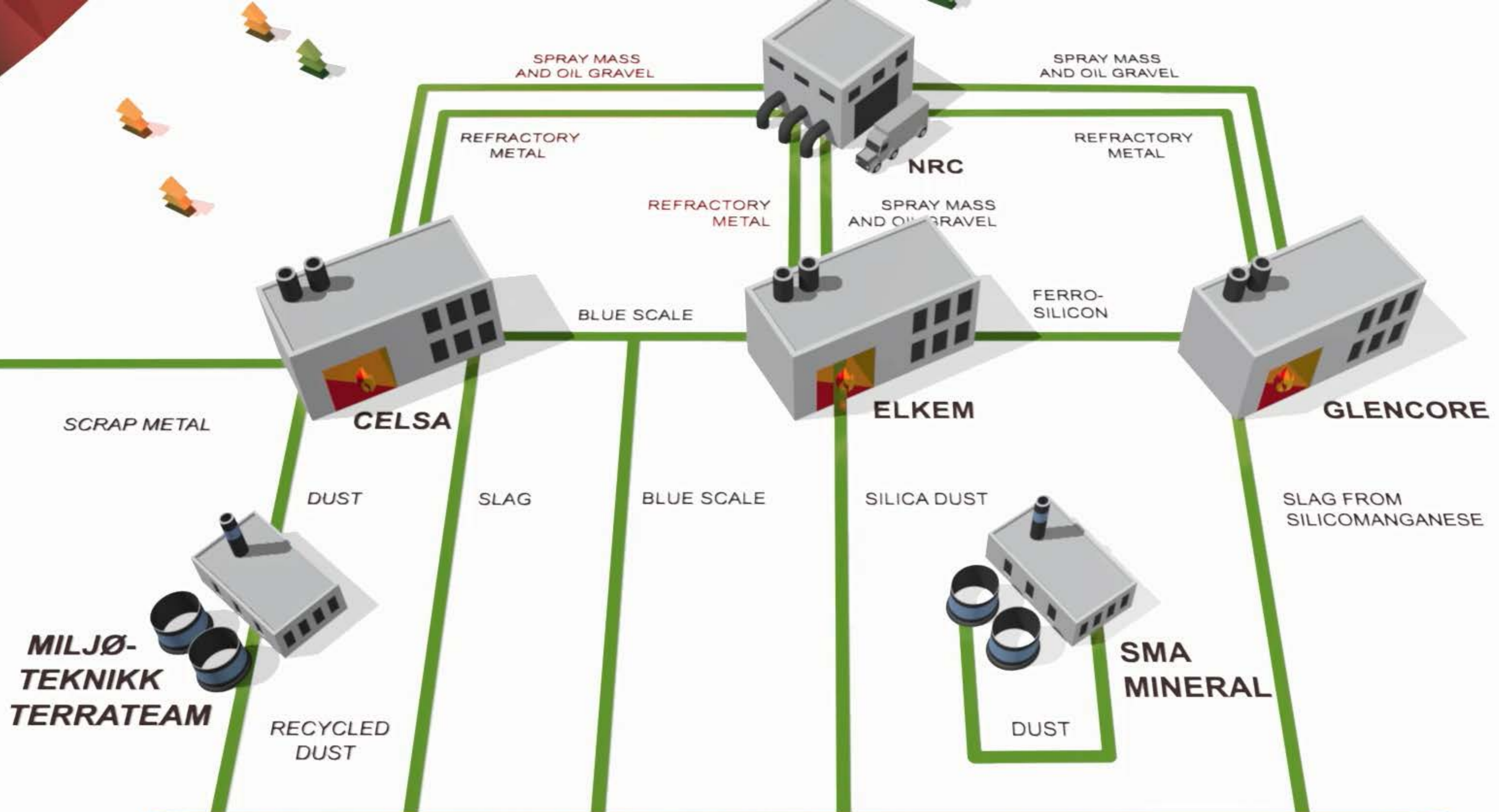
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1 ALTA POWER PLANT

The most important tool to attain the new target of 620 GWh annually in energy recovery is the partnership with FME HighEFF.

Long-term R&D collaboration with the aim to contribute towards creating the world's greenest industry through energy efficiency.





COMMERCIAL MARKET AND EXPORT



TARGET SIDE STREAMS

Develop international special expertise circular economy

Establishing SINTEF Helgeland centre, with substantial professional commitment to circular economy.

Collaboration with SINTEF, Nord university, Nordland Research Institute, The Arctic University of Norway, etc.

Aim of SFI-status in circular economy.

Act for a national pilot scheme with research into new business models for the utilization of side streams.



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PROCESS INDUSTRY

ENERGY-EFFICIENCY

ENERGI-ADMINISTRATION

ISO50001, Enova

HOT CHARGING

30 GWh energi-gjenvinning, Celsa

CELSA CONSTEEL

50GWh reduksjon

NY OVN GLENCORE

25-30 GWh reduksjon, energiforbruk, økt CO-gass

INDO, BIA Nettverk

SINTEF, Skogmo og Verdal Industripark, MIP

OVERSKUDDSENERGI

HighEff

KJØLING FRA FJERNVARME

HighEff

OPPVARMET KJØLEVANN TIL HAVBRUK

Ranfjord Fiskeprodukter, Elkem 45 GWh gjenvinning

LANDBASERT OPPDRETT, SPILLENERGI

Sintef, MIP, TBA

FISH FARMING

CIRKULAR ECONOMY

SIRKPETRO

Miljøteknikk Terrateam, SINTEF Helgeland, MIP AS

Pilot INDUSTRIELL GJENVINNING

KPH, Sintef, MIP

AVFALL FRA FISKEOPPDRETT

Ranfjord Fiskeprodukter AS, SINTEF/Ny Industri i Nord

ELBATT

Nordland Fylkeskommune, MIP, KPH, Sintef

PILOT GRINTA

SIVA, H2020, SINTEF Helgeland

SMART CITY

H2020, Rana kommune, NTNU

DEMOB RIGS

Langsetvågen, Westcon Helgeland

BIA SFI

Sintef, MIP, TBA

DATA CENTER

REDUCTION IN EMISSIONS

INTERTRANSPORT/HYDROGEN

Pilotprosjekt, M&K

PROJECT ITIV / BIA

Redusere luftutslipp, HVAC, Celsa/Glencore/M&K

CO2 VEIKART

Sintef, Elkem, Yara, Alcoa, Glencore, Celsa, MIP

NYKOS

New knowledge of sea depositing, SINTEF/M&K

HYDROGEN I NORDLAND

Produksjon og bruk, Bellona

LANDSTRØM FOR HAVN

Rana Industriterminal AS, Enova

BIOFUEL

Glencore/MIP, SINTEF/LT

BIOKARBON I PROSESSINDUSTRI

Sintef, MIP, TBA

National centre for cirkular economy, nature based resources

PROCESS INDUSTRY

FISH FARMING

DATA CENTER

RECYCLING



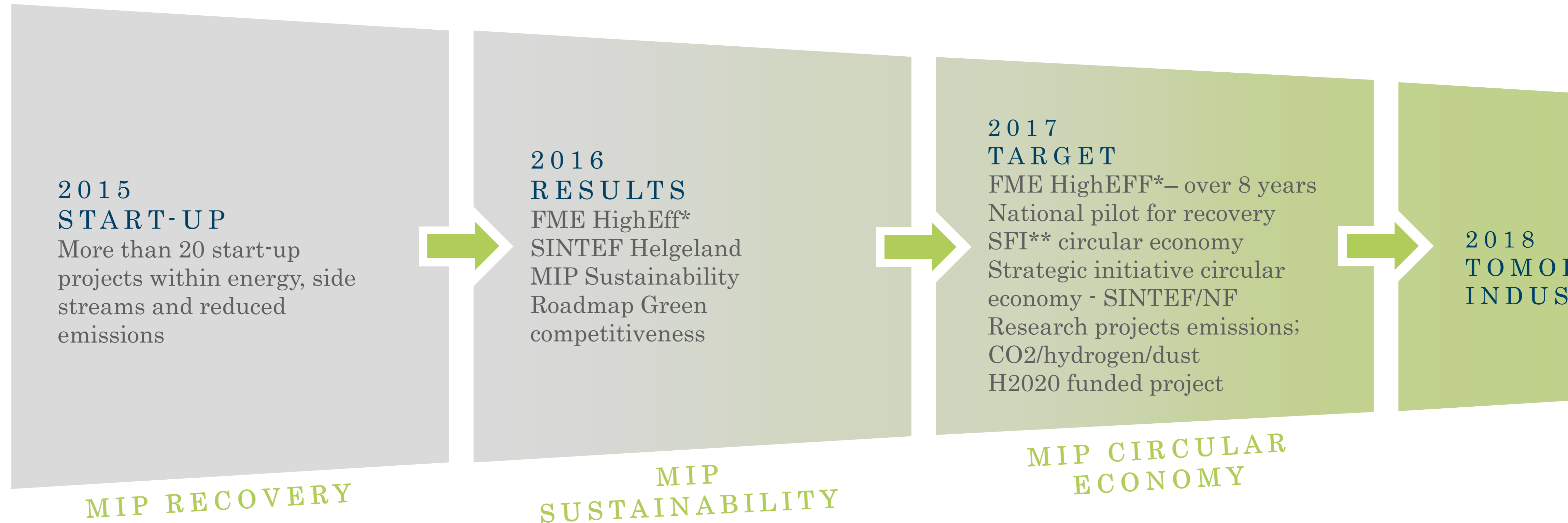
MIP SUSTAINABILITY START UP, RESULT & TARGET



*FME = Research centre for environment-friendly technology

**SFI = Centre for research-based innovation

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