

HORIZON BY FORVIA

INSPIRING DAYS FOR INSPIRING MOBILITY

#SUSTAINABILITYDAY

21st MARCH 2024 - PM

1.30 – 2.00

WELCOME COFFEE

2.00 – 3.45

PLENARY SESSIONS

OPENING KEYNOTE

Net Zero: Fit For 45

PLENARY #1

Decarbonizing the Auto Industry

PLENARY #2

Rethinking Products: The central role of low-carbon materials

PLENARY #3

Driving the Energy Transition: Employees & Talent at the Forefront

3.45 – 4.15

Q&A SESSION

WITH PATRICK KOLLER, CEO of FORVIA

4.15 – 4.45

BREAK

4.45 – 5.45

FORUM: EXPLORE FORVIA THROUGH THE LENS OF SUSTAINABILITY

FORVIA Talks, Deep-Dive Sessions & Talent Corner

5.45 – 6.00

BREAK & TRANSITION TO DOCK EIFFEL

6.00 – 7.00

INNOVATION EXPERIENCE:

EXPLORE OUR TECHNOLOGIES DESIGNED FOR SCOPE 3

19H00 – 20H00

COCKTAIL

AGENDA

HORIZON BY FORVIA

INSPIRING DAYS FOR INSPIRING MOBILITY

NET ZERO: FIT FOR 45

PATRICK KOLLER

CEO of FORVIA

SBTi-APPROVED NET-ZERO TARGETS

FORVIA, a pioneer among the automotive players

2025

CO₂ neutral
Scopes 1 & 2

2030

-45% CO₂
Scope 3

MATERIACT 

>€2bn
sales in 2030

designed
for **SCOPE 3**

2045

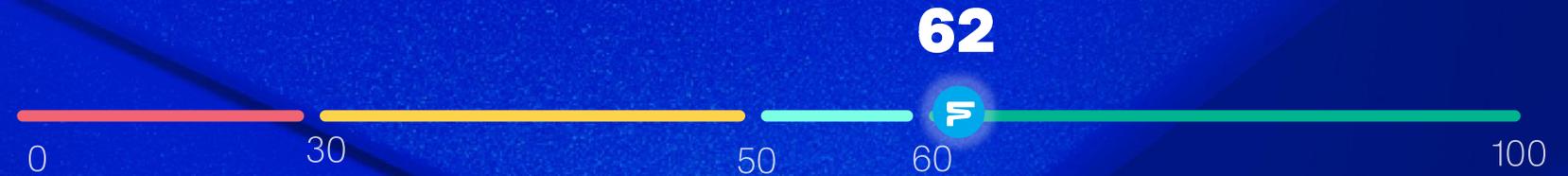
CO₂
Net-Zero



CONTINUOUS IMPROVEMENTS ON ESG RATINGS

AGENCIES

SCORE

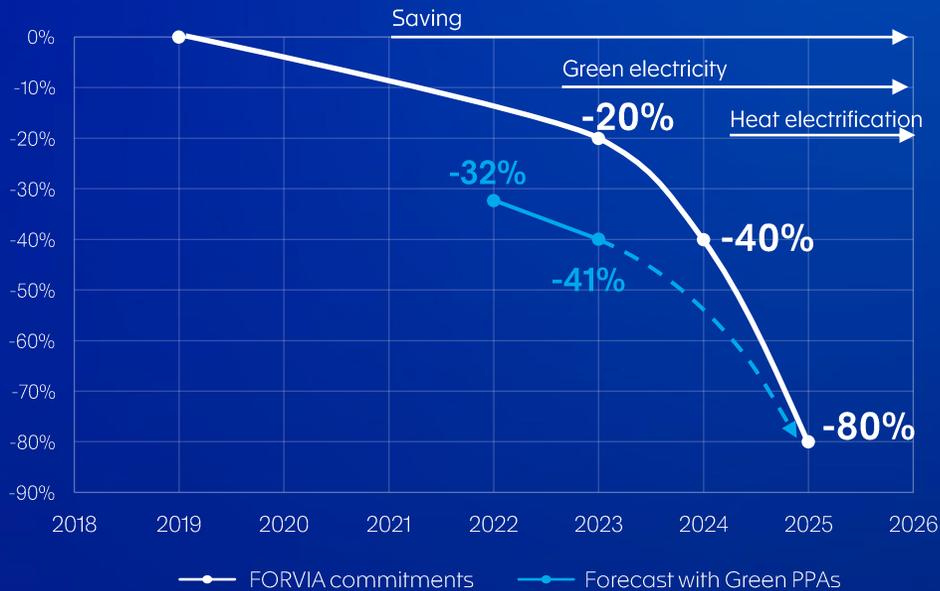


SCOPES 1&2

2023: One year ahead of schedule

Scopes 1&2 Reduction Path (tCO₂e)

As audited and published in URD



SBTi commitment:
-80% scope 1&2 by 2025
 versus 2019



Energy Saving plan
 above targets:

-26%

Intensity reduction in 2023
 versus 2019 (MWh/M€)



FORVIA Renewable
 (solar + wind)

Up to
700GWh
 capacity in 2024

SUSTAINABILITY: WE SPEED UP OUR ACTIONS

1st automotive
net-zero target
approved by the
Science Based Targets
initiative

Scopes 1 & 2:
Carbon neutral
in 2025
1 year
ahead of schedule in 2023

Inauguration of
MATERIACT
in 2023

CO₂ criteria in short term
compensation for
4,800
managers*

*Excluding HELLA perimeter

Energy savings
-26%
in 2023 versus 2019

Inauguration of Allenjoie,
1st industrial site in
France
awarded with the
BREEAM Excellent
certification

Inauguration of FORVIA's
1st
Net Zero plant
Fengcheng, China
in 2023

FORVIA Foundation
6,000
people supported
since 2020

FORVIA renewable
(solar + wind)
Up to **700GWh**
capacity in 2024

'A' rating
by CDP for transparency
on climate change
in 2023

Scope 3
-45% by 2030
designed _____
for **SCOPE 3**

2030 **35%**
women managers
& professionals
30%
women in top 300

FORVIA PRODUCT PORTFOLIO

already contributing to sustainable mobility

Seating

Alternative to PU foam
Sustainable covers & trimming material
Green steel
New seat structures tailored for EV
Modularity

Interiors

Ultra-low CO₂ materials
CO₂ sequestration through biomass
Lean architecture
Replaceable parts

Clean mobility

H₂ technology for zero CO₂ emission
Low CO₂ carbon fibers

Electronics

>1/3 HELLA's electronics portfolio already consists of products that contribute to CO₂ reduction in road traffic, and the trend is rising

Lighting

>70% of current sales with economical LED technologies

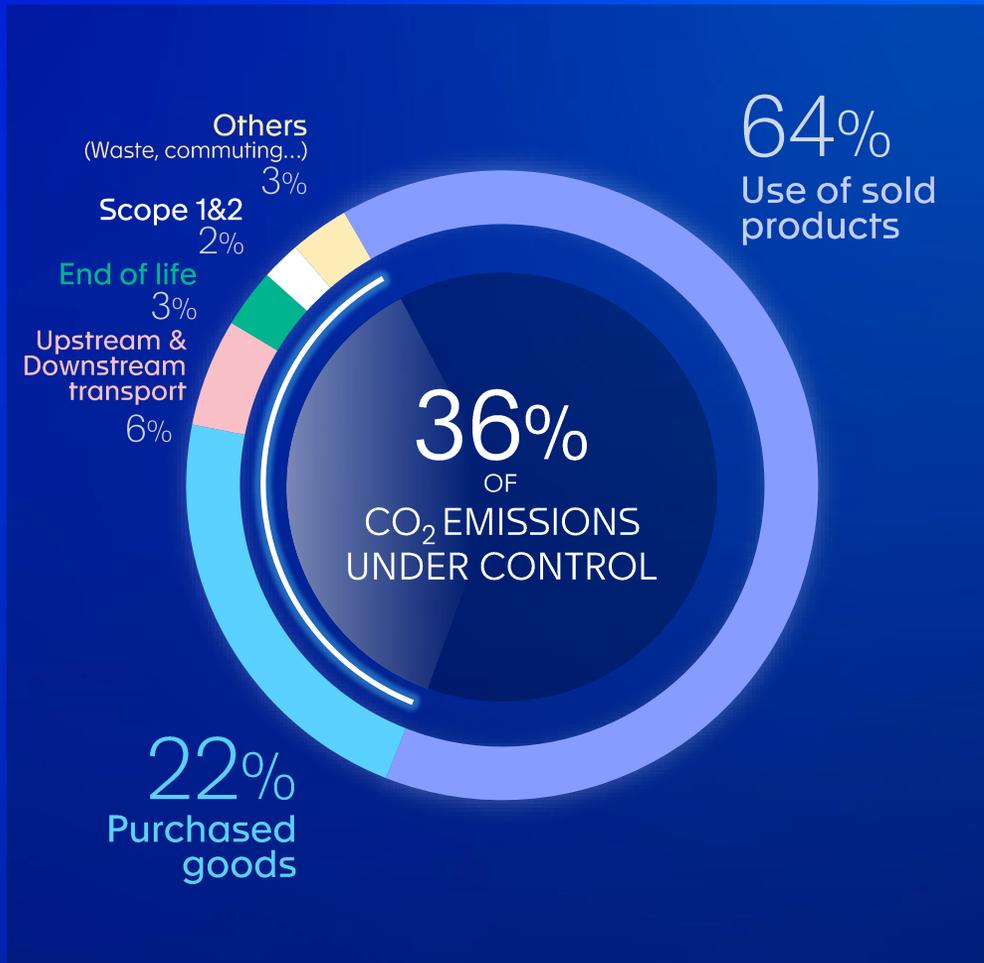
Lifecycle Solutions

Saving spare parts use by identifying just needed actions

— Faurecia activities — HELLA Activities — Faurecia & HELLA Activities

SCOPE 3: INITIATIVES TOWARDS 2030

Transition to frugal architectures and low CO₂ materials



<p>Purchased goods</p> <p>Reduce CO₂ emissions of our suppliers by 45% by 2030</p>	<p>Use of sold products</p> <p>Electric Vehicle Sales > EV market share</p>	<p>Purchased goods & Use of sold products</p> <p>Energy savings of -40% for electric components</p>	<p>Upstream & Downstream transport</p> <p>Transportation carbon emissions reduced by 20% by 2030</p>
<p>Purchased goods</p> <p>Transition towards Green Materials with emission factor reduced from -40% to -70%</p>	<p>Purchased goods</p> <p>More than 30% recycled content in our products</p>	<p>Purchased goods & Use of sold products</p> <p>Compounded weight reduction of -17% by 2030</p>	<p>End of life</p> <p>Recyclability of our products up to 70%</p>

A RESPONSIBLE & INCLUSIVE GROUP

Intensifying our efforts
for diversity

2023

31%

women managers and
professionals*

27%

of women in
Top 300 leaders*

2030

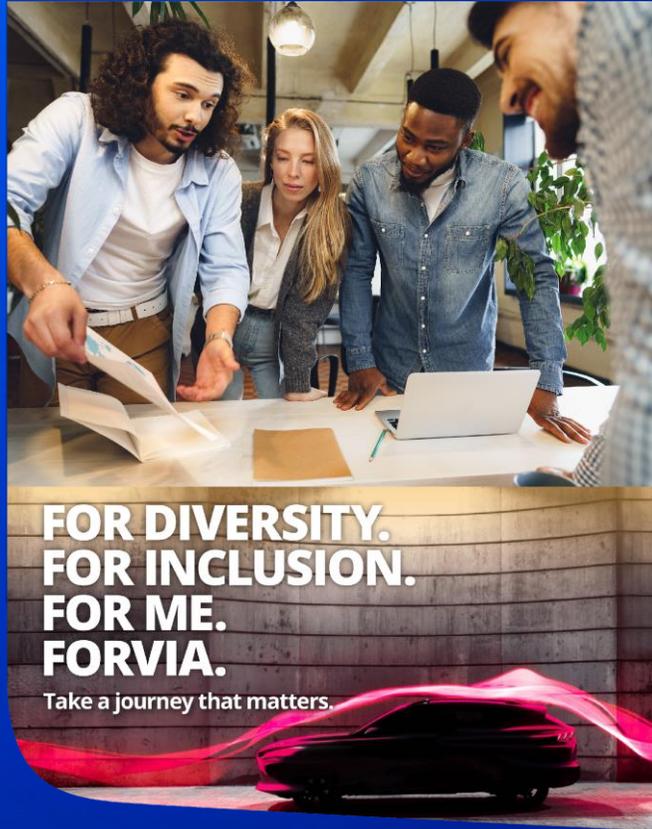
35%

women managers
and professionals

30%

of women in
Top 300 leaders

Offering equal
opportunities to all



**FOR DIVERSITY.
FOR INCLUSION.
FOR ME.
FORVIA.**

Take a journey that matters.

FORVIA
Foundation

Supporting projects with strong social
impact in three key areas:

#EDUCATION
#MOBILITY
#ENVIRONMENT

- In 2023:
Partnerships with
The Maud Fontenoy Foundation
& Plastic Odyssey
- In 2022:
€3M yearly budget to support
local communities
- Since 2020:
200+ active volunteers
6,000 beneficiaries
~20 new projects per year

*excluding HELLA perimeter

Sustainability Day 2024 - March 21, 2024

FORVIA
Inspiring mobility

HORIZON BY FORVIA

INSPIRING DAYS FOR INSPIRING MOBILITY

DECARBONIZING THE AUTOMOTIVE INDUSTRY:
WHAT ARE THE MAJOR CHALLENGES?

PATRICK KOLLER

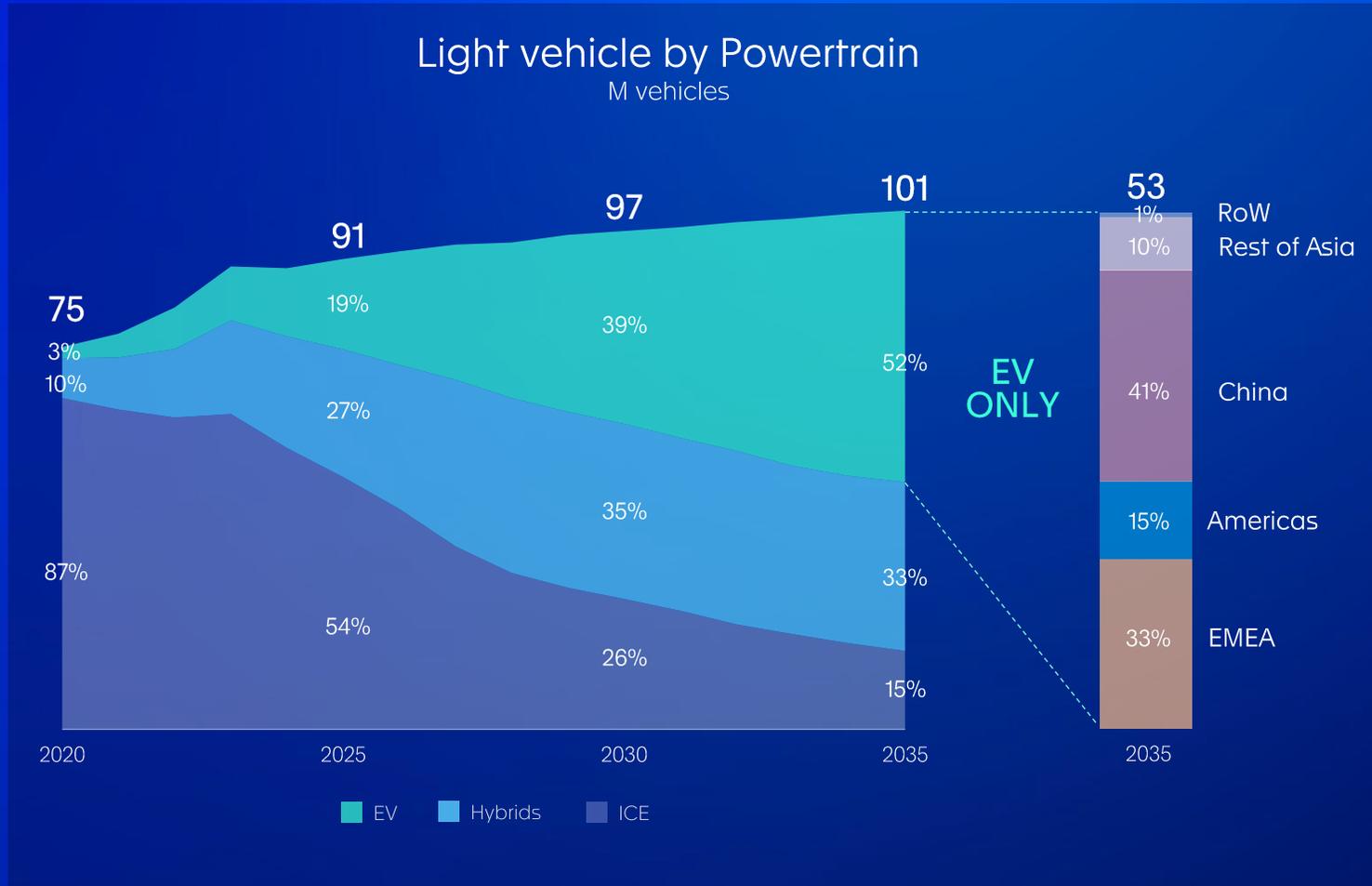
CEO of FORVIA

FRANCOIS GEMENNE

PROFESSOR AT HEC AND IPCC MEMBER

ACCELERATED ELECTRIFICATION OF POWERTRAIN MIX

Strong push by CO₂ & Scope 3 targets
but different momentum by regions and speed remains uncertain



MAIN DRIVERS

Regulation and incentives towards emission reduction accelerating electrification of vehicle fleets (e.g., ICE ban in EU in 2035, incentives across regions)

Electrification of vehicle sales as one of main levers for OEMs to reach **Scope 3** CO₂ emission reduction requirements

Significant volatility of EV penetration forecast for 2030, mainly resulting from political uncertainties in coming years, impact of energy regulations and price evolution as volumes increase

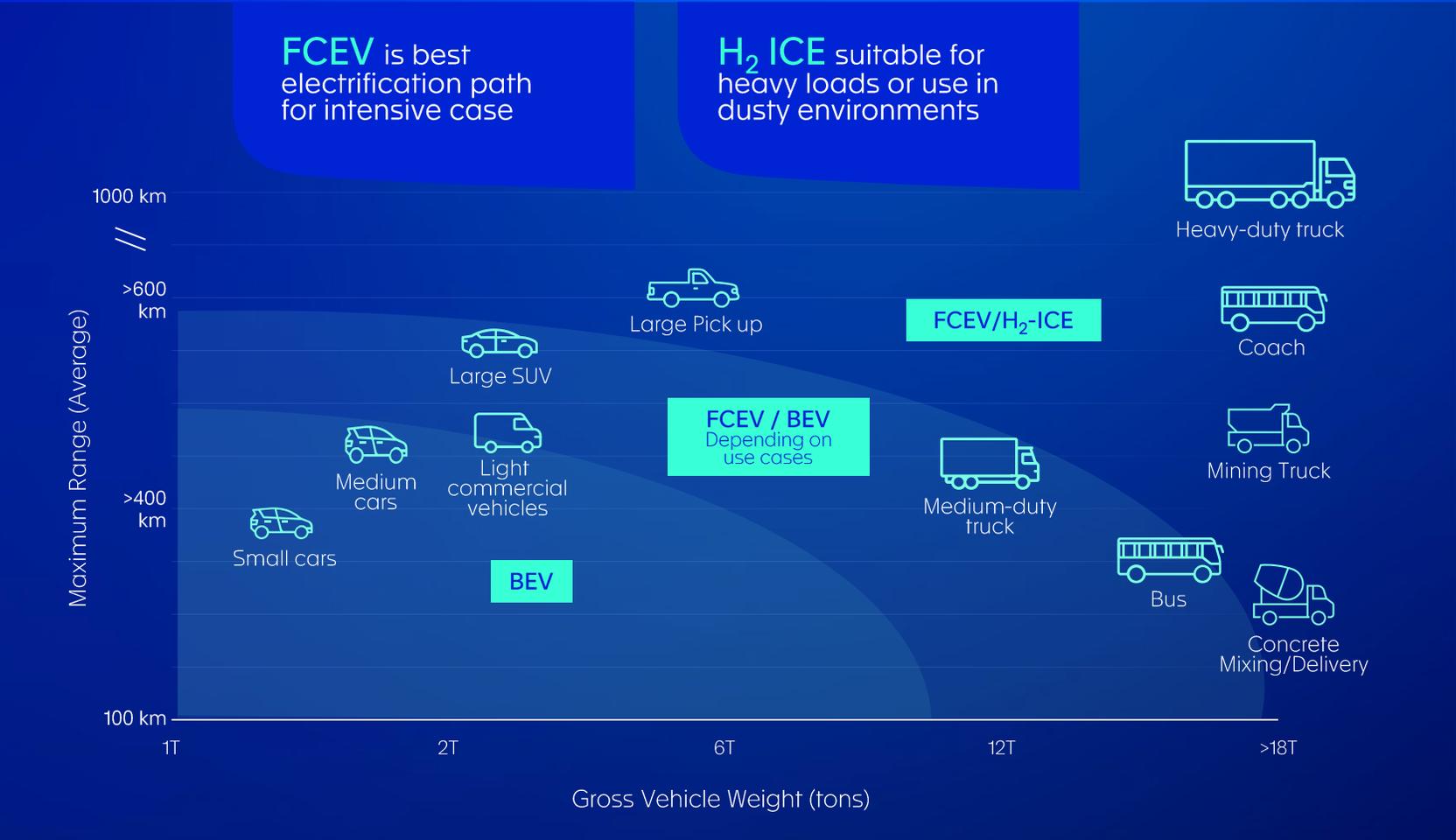
EV cost significantly higher for OEMs vs. equivalent ICE vehicle (c.+45%), with cost increase not fully offset by price increase (20-35%)

Source: S&P Global Mobility, FORVIA FCM powertrain mix assumptions

Sustainability Day 2024 - March 21, 2024

HYDROGEN VS BEV: SPECIFIC USE CASES

H₂ vehicles are complementary to Battery electric vehicles to decarbonize transportation



ADVANTAGES

- Refueling time
- Driving range / Autonomy in cold conditions
- Payload & higher flexibility
- Freedom to operate in off-grid area

SPEEDING UP IN HYDROGEN ACTIVITIES

Inauguration of Allenjoie hydrogen plant (France)

100,000

tanks by year by 2030

1st mass production plant of hydrogen storage tanks for mobility applications in Europe

Several awards for H₂ storage systems, including 2 contracts in

North America

Inauguration of SYMBIO's gigafactory Symphon'hy (France)

50,000

fuel cells systems by year by 2026

Europe's largest integrated site producing fuel cells

Stellantis entry in

Symbio

as equal shareholder with FORVIA and Michelin

HORIZON BY **FORVIA**

INSPIRING DAYS FOR INSPIRING MOBILITY

RETHINKING OUR PRODUCTS: THE CENTRAL ROLE OF LOW-CARBON PRODUCTS

REMI DAUDIN

PRESIDENT, MATERI'ACT

ELISABETH DELVAL

VICE PRESIDENT, SUSTAINABILITY, FORVIA

JEAN-PAUL MICHEL

EXECUTIVE VICE PRESIDENT, INTERIORS, FORVIA

ERIC CHAPOULAUD

SENIOR VICE PRESIDENT VEHICLE PURCHASING, VOLVO GROUP

RENATO LIARDO

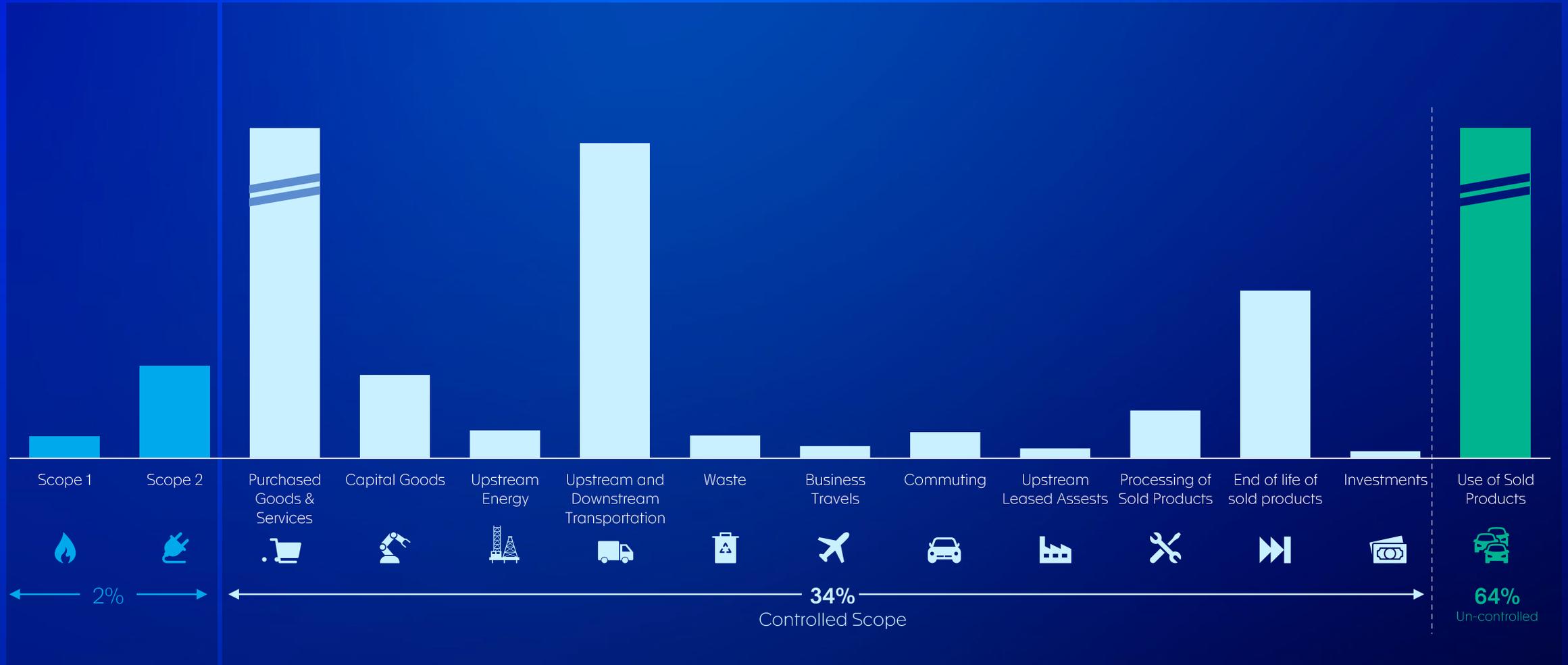
FELLOW MATERIALS TECHNOLOGY, VOLVO GROUP

JOHAN MARCHNER

SENIOR VICE PRESIDENT POWERTRAIN & FOSSIL-FREE
MATERIALS PURCHASING, VOLVO GROUP

FORVIA'S CO₂ FOOTPRINT

FORVIA [in ktCO₂]: 39,5 (2019 baseline : 41,7)



V O L V O

DRIVING PROSPERITY

Through sustainable transport and infrastructure solutions



Long-term ambition

100%

Safe

More productive

Fossil-free

Net-zero GHG emissions value chain

2040

Volvo Group

104,000 employees

Production in 18 countries

190 markets

Worldwide service networks and dealerships

>50.000 Supply Partners Tier1

V O L V O

V O L V O
P E N T A



ROKBAK



PREVOST

NOVABUS



SCALING UP IN LOW-CARBON MATERIALS

AI-powered grades development and first auto businesses awarded in 2023



FEEDSTOCKS & PRODUCTS

3 product lines

Strategic collaborations:
APM joint venture, Veolia,
Ananas Anam

Joint venture with PCR in
North America for
recycled-based
compounds production

MASTERING THE VALUE CHAIN

FROM FORMULATION TO PRODUCTION

World-class R&D center
inaugurated in Lyon, France

- In-house lab & pilot workshop
- Hosting start-ups

400+ material
formulations tested with
Artificial Intelligence

CUSTOMERS

12 automotive
programs
already awarded

€2bn sales
by 2030



3.1 Purchased Goods & Services

For sustainable and climate neutral products & supply chains

Reduction targets per truck (cradle-to-gate) covers

- Extraction of raw material
- Energy consumption
- Emissions caused by extraction of raw material, processing of material, and assembly of product at supply partner

Trajectory towards net-zero 2040

- 2025: -25% CO₂ eq tons
- 2030: -55% CO₂ eq tons
- 2035: -75% CO₂ eq tons
- 2040: -100% CO₂ eq tons

COMMODITY EMISSION HOTSPOTS



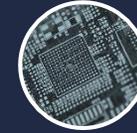
Steel & iron



Polymers



Batteries



Electronics



Aluminum

> 90 CO₂ REDUCTION LEVERS

ACROSS SUPPLY CHAIN, E.G.,:

- Renewable energy
- Increased process efficiency
- Reduction of material waste
- Use of secondary/recycled materials
- Utilization of new technologies, e.g., low carbon technologies for material production

We will succeed together

- > Collaboration
- > Roadmaps
- > Transparency
- > Trust
- > Competence
- > Learn along the way

Volvo Group Sustainability Commitment



Climate



Resources



People

3.1 Purchased goods & services - reduction targets per truck CO₂ eq tons



Net-zero GHG emissions value chain

2040

HORIZON BY FORVIA

INSPIRING DAYS FOR INSPIRING MOBILITY

DRIVING THE ENERGY TRANSITION: EMPLOYEES & TALENT AT THE FOREFRONT

VICTORIA CHANIAL

EXECUTIVE VICE PRESIDENT COMMUNICATION, PUBLIC
AFFAIRS AND SUSTAINABILITY, FORVIA

JEAN-PIERRE SOUNILLAC

EXECUTIVE VICE PRESIDENT
HUMAN RESOURCES, FORVIA

VALÉRIE MAS

CO-DIRECTOR AND CO-FOUNDER OF THE FRENCH
GREENTECH FIRM WENOW

INES LEONARDUZZI

ANALYST AND FOUNDER-PRESIDENT
OF DIGITAL FOR THE PLANET

HORIZON BY FORVIA

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Q&A SESSION

PATRICK KOLLER

CEO of FORVIA

INNOVATION EXPERIENCE

EXPLORE OUR TECHNOLOGIES DESIGNED FOR SCOPE 3

 AT DOCK EIFFEL



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