



SUSTAINABILITY Roadmap

Moving forward together

May 2024

 | HUTCHINSON®

We make it **possible**



MOVING FORWARD...

We are committed to pledges made in Paris in 2015; reducing our emissions and acting sustainably for the planet and for future generations, as defined by the 17 Sustainable Development goals adopted by all United Nations Member States. For Hutchinson, we aim to fully meet this engagement.

We believe that companies contribute to making the world more sustainable in combining the three pillars of Sustainable Development: Social, Economic and Environmental. This roadmap explores the concrete actions we are taking to deliver on these commitments for 2030 and 2040, including our aim for net carbon neutrality for all scopes and all markets by 2050 together with society. Hutchinson plays a leading role in fulfilling this obligation and our roadmap demonstrates how we are becoming part of the solution. 2023 results confirm we are well engaged with our commitment.

Serving Green Industries and supporting the transition of Mobility on land, at sea, and in the air are our main fields of action. We have the technologies, capabilities and global reach to embrace the Electrification and Sustainability challenges and opportunities.

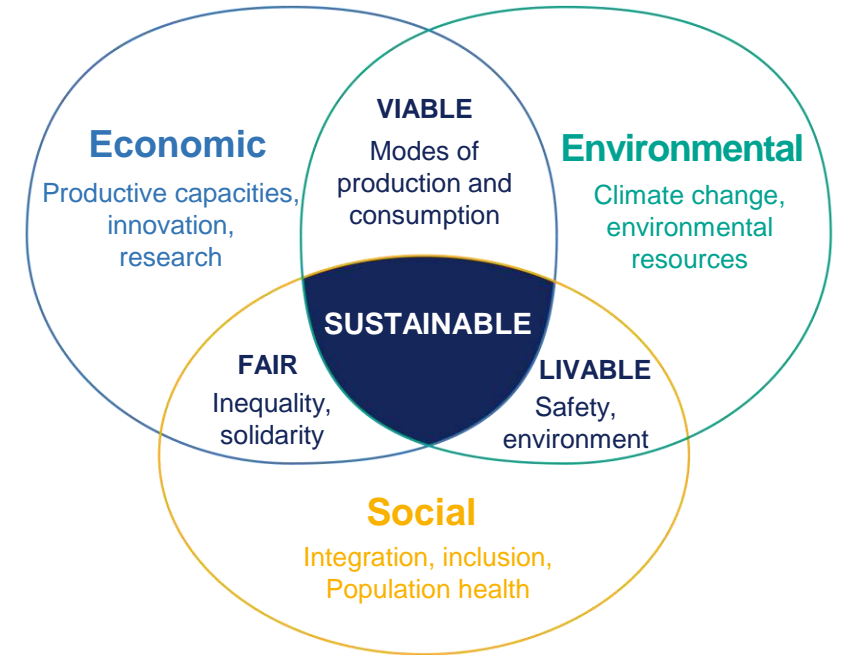
Together with our 40,000 employees, customers, suppliers and all stakeholders, Hutchinson is taking actions now to co-create a brighter future for everyone, everywhere.

It's not just a roadmap for us, but a collective action roadmap for a sustainable world.

Hélène Moreau-Leroy
Chairman and CEO



... TOGETHER ...



17 SUSTAINABLE DEVELOPMENT GOALS set by the United Nations



... WITH A LONG TERM VISION ...

Offer sustainable solutions driven by innovation

Act as a responsible industrial player

Be an employer of choice and maintain an open dialogue with all stakeholders

1

2

3

4

5

6

Act for a low carbon mobility world

Be efficient with material resources

Reduce our own carbon footprint and other environmental impacts

Steward our suppliers for an aligned value chain

Live up to our principles of trust and fair governance

Empower our teams

..... by

..... by

..... by

..... by

..... by

..... by

Creating value through science and technologies
 Connecting our technologies to multiple industry applications
 Continuously developing innovative and sustainable solutions with our customers

Fostering the circular economy in diverse aspects
 Developing sustainable products through LCA and eco-design

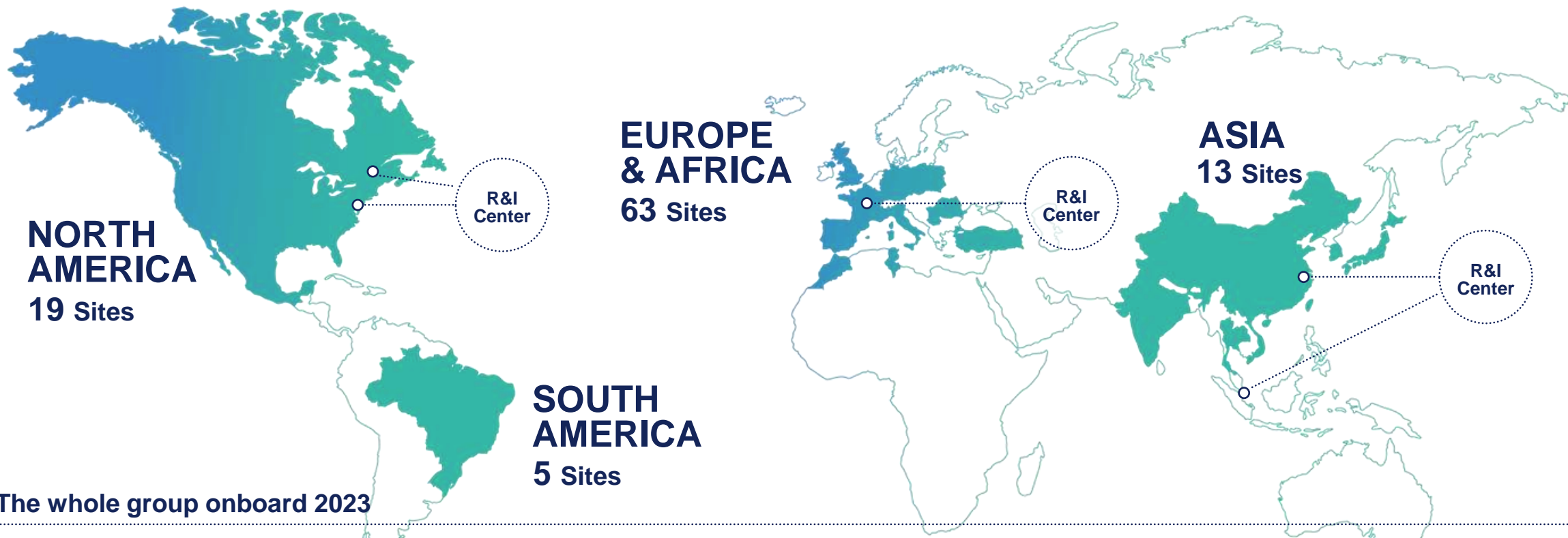
Rolling out an energy efficiency roadmap at our sites for buildings, utilities and process
 Moving to low carbon energies
 Reducing our water withdrawal and the impact of waste

engaging our partners in low carbon technologies and circular economy, life cycle analysis and fair governance, to make sustainability a reality for the whole value chain

Supporting our ambition with strong and fair governance
 Promoting our fundamentals (Business Ethics, Health, Safety & Diversity)

Fostering awareness, training & engagement for each employee
 Paving the way for better empowerment by promoting local initiatives

TOGETHER WITH OUR EMPLOYEES, CUSTOMERS AND SUPPLIERS



The whole group onboard 2023



Close to our customers*



OUR PATH TOWARDS CARBON NEUTRALITY

2019



CO₂ emissions

Scope 1 = 120 kt
Scope 2 = 275 kt
Scope 3 Upstream = 2,200 kt

2023



CO₂ emissions :
Scope 1 = 95 kt
Scope 2 = 231 kt

Sites certified
ISO 50001 : 53%
ISO 14001 : 74%

2025



All sites
ISO 50001 & 14001
certified



25%
recycled

or bio-based materials
in our new products⁽²⁾



25% CO₂ reduction
Scopes 1 and 2⁽¹⁾⁽³⁾

2030



50%
reduction
of our carbon
emissions for
Scopes 1 and 2⁽¹⁾⁽³⁾

2040



Aim for
carbon
Neutrality⁽³⁾
for all Scopes
Automotive markets

2050



Aim for
carbon
Neutrality⁽³⁾
for all Scopes
All markets

⁽¹⁾ vs 2019

⁽²⁾ upon request

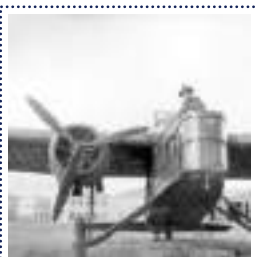
⁽³⁾ together with society

A HISTORY OF INNOVATION SERVING ALL MOBILITY NEEDS

Elastic suspension

Pioneer in elastic suspension for vibration dampening

1936



Primary suspension for Trains

On board the first TGV for passenger comfort

1980



Hydraulic suspension for engines

Pioneer in hydraulic engine suspension for superior passenger comfort

Primary suspension for Trains

On board the first TGV for passenger comfort

1981



Magnetic sensor encoders for Anti Blocking Systems

Pioneer in magnetic sensors for accurate rotational speed measurements

1996



Cabin fire protection

Pioneer in fireproof materials for thermal & acoustic insulation systems for aircraft and space

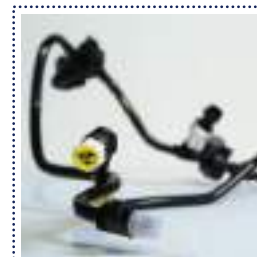
2009



Thermoplastic air conditioning loop

Pioneer for lightweight systems

2015



Elastic belt for electric vehicles

Auto-tension elastic transmission belt for easy fit and energy saving

2020



Cooling Module

Automotive all in one thermal management concept. Ultra compact design, energy efficiency, Recyclability.

2023



CREATING VALUE THROUGH SCIENCE & TECHNOLOGIES

INTERNAL NETWORK OF R&I COMPETENCIES



2,300
People



5%
of our revenue
invested in R&I

EXTERNAL NETWORK OF PARTNERS



Multi-material engineering

Elastomers, Thermoplastics & Composites

System characterization

Mechatronics & connected systems

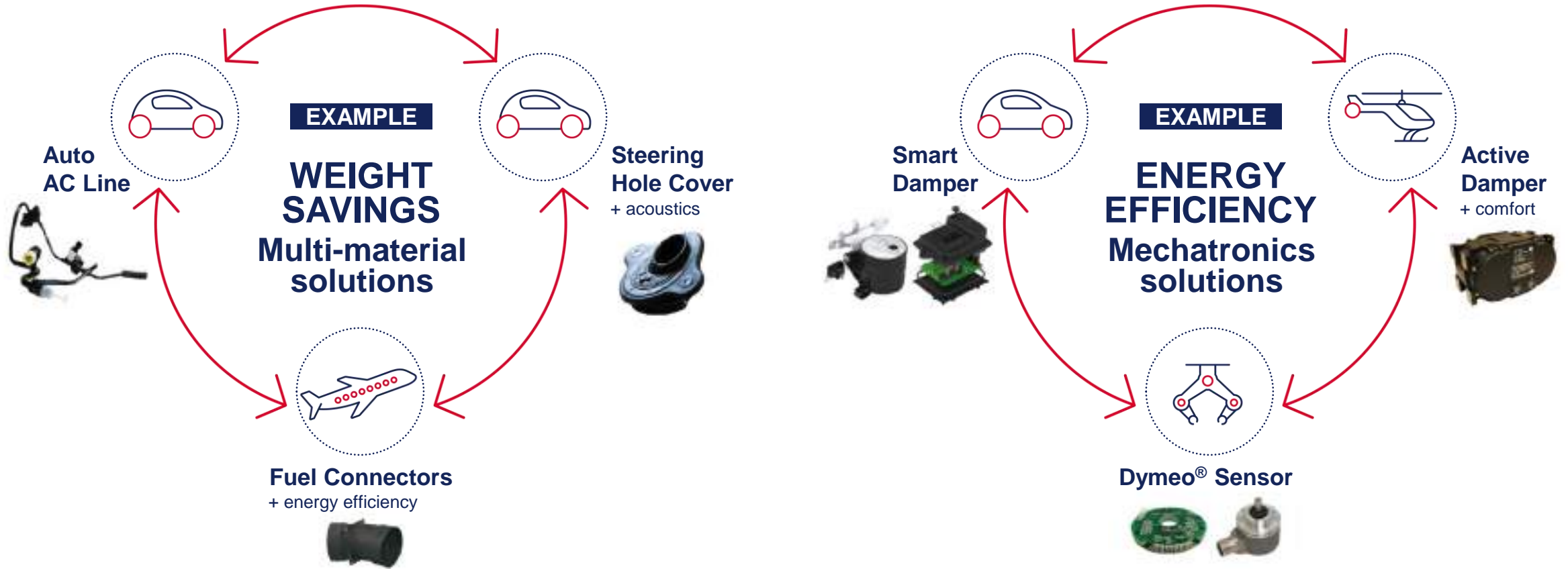
Multi-physics modelling

Eco-design and Life Cycle Assessments



At the Hutchinson Research and Innovation Centre, most of the projects focus on sustainable development issues. (Green Materials, Lightweighting, Electrification, Hydrogen & Process)

CONNECTING OUR TECHNOLOGIES TO MULTIPLE INDUSTRY APPLICATIONS



LEVERAGED EXPERTISE



Multi-material
Engineering &
LCA know-how



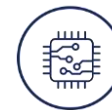
Mechanical
Engineering



Numerical
Modelling



NVH* at
System Level



Hardware,
Software,
& Sensor Design

CREATING NEW SOLUTIONS TO SUPPORT A LOW CARBON MOBILITY

Fuel cell vehicles

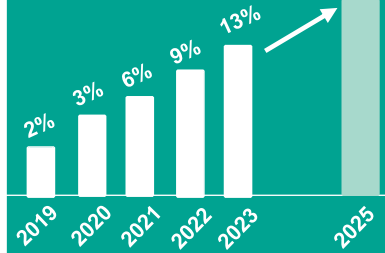
- Hutchinson provides supplier on new fluid transfer solutions



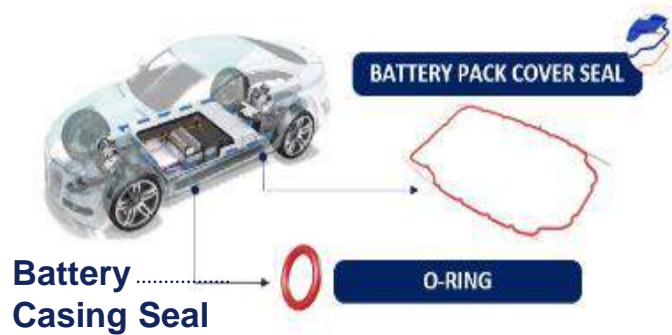
Composite technologies with function integration

- Connection rods in aircraft
- 30% weight savings

% of sales to low carbon mobility



Reducing CO₂ emission is paramount. Thanks to its multi-expertise and multi-market DNA, Hutchinson develops, offers and markets numerous solutions to be a strong player of a low carbon mobility.

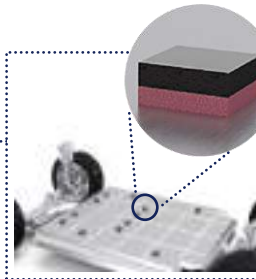


Battery Casing Seal

- High temperature & fire resistant
- Lightweight

Battery Thermal Spacers in Electrification

- Water tight
- High temperature & fire resistant
- Lightweight



Battery Cooling Lines & Connectors

- Light & flexible
- Leak proof design
- Recyclable

Multiphysics modelling

- Automotive bracket for engine mount
- 60% weight savings



Low friction wheel bearing torque

- 25% reduction of seal friction torque
- 10% reduction in friction across the entire bearing

Mechatronics & connected systems

- Data acquisition systems for predictive maintenance



INNOVATION IN THE CYCLING INDUSTRY

Circular Economy (short loop)

Use of recycled materials from tires

- Recycled carbon black



Use of recycled materials from mainstream products

- Tire reinforcement made from recycled plastic bottles

We have been producing bicycle tires for decades. Delivering more sustainable products for cyclists is a basic, congruent with the choice of this very low carbon mobility.

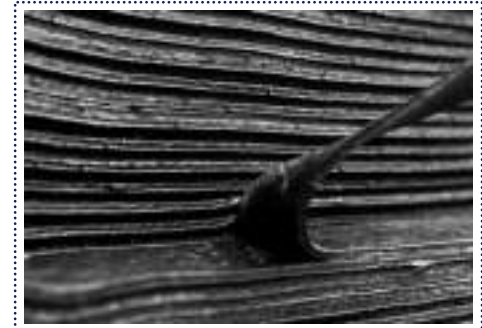
Limited Edition of Green Tire

- Hutchinson Gridskin smart design allows for significantly reduced environmental impact during manufacturing



Butyl'UP

- Reuse of recycled Butyl from inner tubes in new products



INNOVATE WITH PARTNERS TO CREATE A DECARBONIZED WORLD

TotalEnergies, Eiffage and Vestas

Floating windmills

- Quick mooring line connectors



eCitaro

Battery thermal insulation

- Thermal insulation for batteries in electrical buses



eVTOL partner

Acoustic solutions

- Multi-material assemblies for VTOL mechanical and acoustic performance

Hutchinson is engaged for new opportunities in low carbon business while supporting our legacy customers in transitioning to a low carbon economy.

Window thermal insulation

- Eco-designed window seals significantly reducing windows U-value, up to 15%



Electreon

Wireless charging

- 6 km of road already equipped and more to come
- Wireless charging system of electrical vehicles



FOSTERING THE CIRCULAR ECONOMY IN DIVERSE ASPECTS



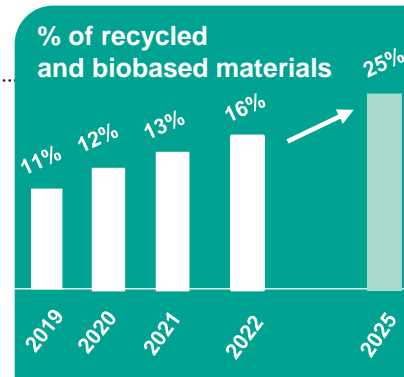
Priority use of recycled and then biosourced materials

- Use of recycled carbon black, plasticizers, TP in TPV, natural rubber, castor oil PA
- More than 300 sustainable materials tested and over 80 new materials qualification ongoing
- Sustainable material contains more than 25% of recycled or bio-based material

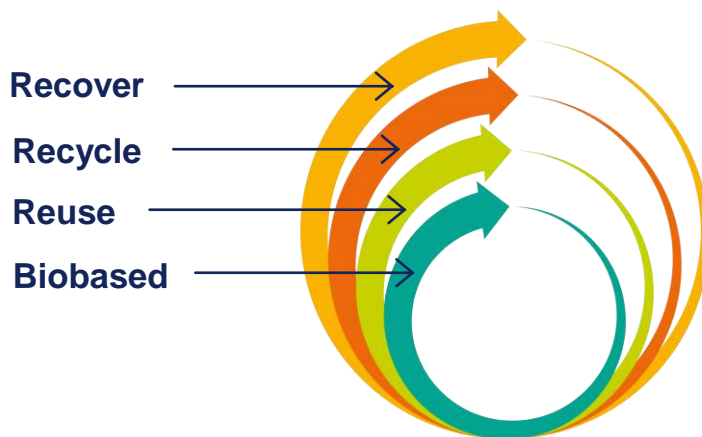


Use Reclaimed recycled rubber

- New compounds with recovered rubber
- New elastomeric compounds produced from regenerated or micronized rubber waste

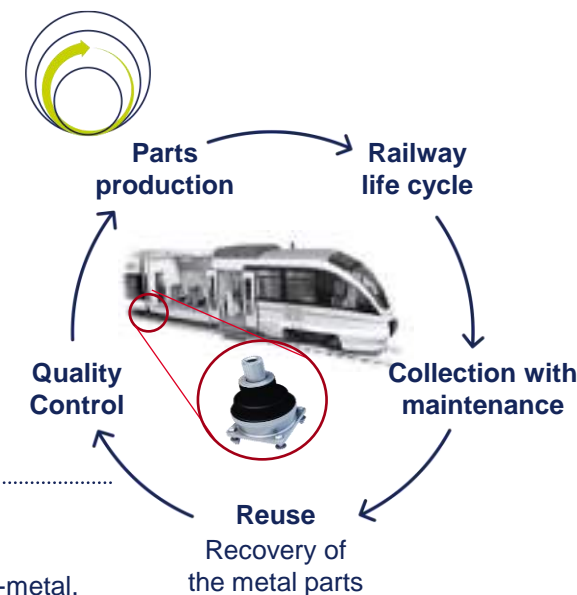


We take care of our planet's resources by developing new sustainable materials for our products. This is our path to the circular economy and environmental protection.



Extend product lifecycle

- Re-use of the metallic components of railway antivibration elastomer-metal, (CO₂ improvement : 40%)



DEVELOPING SUSTAINABLE PRODUCTS THROUGH ECO-DESIGN



OUR TARGET

CO₂ lifecycle assessment of our products serving eco-design purpose

EXAMPLE

Full thermoplastic door seal

- 49% lighter vs. metal insert
- 35% CO₂ emission saving
- 100% recyclable

Over 1.5 million pieces sold with 4 premium vehicle programs



EXAMPLE

The “Green Belt” for Household appliances

Same performance & less environmental footprint by design

- 20% weight saving
- 10% CO₂ emission saving
- 25% biobased and recycled material

EXAMPLE

Dynamic Grommets for automotive door systems

Eco-design including use of Vegaprene®

- 30% weight reduction with TPE
- 45% CO₂ impact improvement (cradle to gate) vs standard rubber grommet

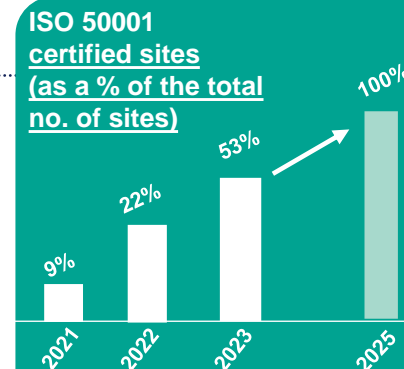
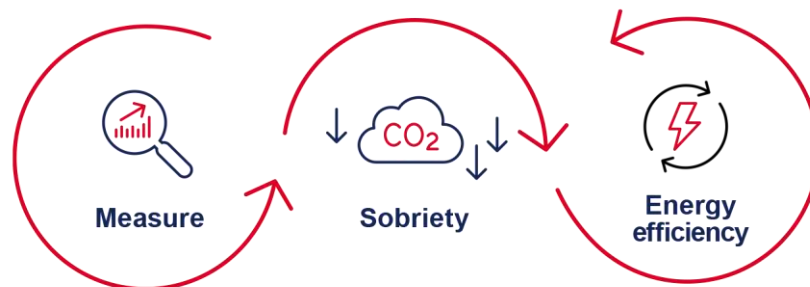


ROLLING OUT AN ENERGY EFFICIENT ROADMAP AT OUR SITES



Monitoring the performance Real time management

- KPI visible for all at any time
- All sites deployment



ISO 50001 certification for all sites by 2025 is a must to manage energies. Based on consumption measurement, we improve our energy efficiency with dedicated CAPEX.



Ingrandes (France), Sousse (Tunisia) & Madrid (Spain) Optimize our monitoring through IoT real time electric consumption



All Hutchinson sites Sobriety on sites

- limit our energy consumption,
- LED lights
- heating
- Insulation.



Bielsko-Biala (Poland), Saint-Brieuc & Chateaudun (France)

Energy efficiency

- 80% of the heat from working compressors recover
- cover our needs for heating (Air or Water)
- 20% saving natural gas consumption



MOVING TO LOW CARBON ENERGIES

Solarization

- Install panels on our plants, according to a pluriannual solarization roadmap

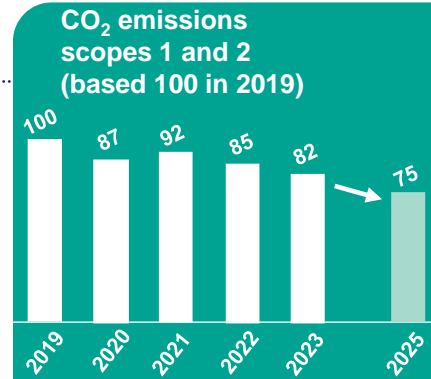
Wuhan plant (China)

- 3,280 solar panels
- 1,500 MWh produced- 900 T CO₂/year



Wind power

- Develop partnerships for existing and future projects to secure long term contracts on renewable power



We reduce the CO₂ content of the energy we use in our plants. We will achieve this goal with the support of TotalEnergies: a world leader in renewable energies.



Geothermal

Amiens (France)

- Install heat pumps to recover heat from the earth's crust. These systems provide a very high efficiency reaching 4.5



Biomass

Extrema plant (Brazil)

- Fossil gas replaced by biomass to produce process steam



Solar PV farm

- Contract with existing renewable energy suppliers

TotalEnergies

- As part of TotalEnergies, a world leader of renewable energies, Hutchinson has access to PPA (Purchase Power Agreements)



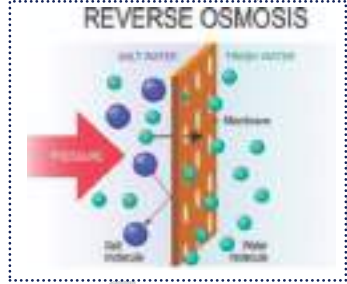
REDUCING ENVIRONMENTAL IMPACT - WATER



Monte Alto 1 PSS (Brazil)

Reduction of water consumption in parts washing processes

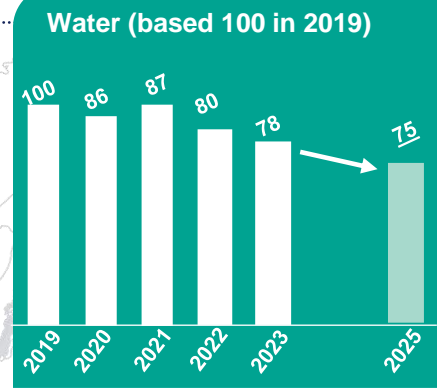
- Elimination of “open loops” and reuse of hot water
- Discharge of water once a day instead of 6
- Reduction in water consumption of 83% for this process, i.e. a reduction of 47 m³ / year



Zywiec 2 (Poland)

Reverse osmosis plant for feed boiler water

- Reduced water consumption by 10%
- Removal of chemicals to de-saline
- Reduction of CO₂ emissions



We reduce the use of a precious resource like water. The actions carried out make the reduction of water withdrawal by 25% possible in 2025 compared to 2019.



Saint Brieuc (France)

Steam condensate recovery

- Reduction of consumption:
 - Water: 1,320 m³ / year
 - Gas: 253 MWh / year
 - CO₂ emissions: -57 tCO₂e / year

Sousse (Tunisia)

Exploitation of recovered water

- Avoid fresh water withdrawal



Wuhan (China)

Vulcanization steam recovery

- Installation of an interchange
- Heat used for washing parts
- Reduction:
 - Water consumption: 1,320 m³ / year
 - CO₂ emissions: 136 tCO₂eq / year

REDUCING ENVIRONMENTAL IMPACT - WASTE



Burbank (US)

Elimination of the use of paper in blue boxes

- Replacing paper with a QR code
- Environmental gain: 30,000 sheets of paper saved



Zywiec 3 (Poland)

Carbon Black Replenishment System of a Mixer

- Reduction in the amount of technical waste
- Reduced carbon footprint



We limit our environmental impact by reducing waste to its lowest possible level. We create value, and avoid landfill, by giving a second life to materials, and recycling our waste.



Montargis FMS (France)

Plastic Recycling for Chuck

- Mandrels (strings) are crushed and reused
- Reduction of CO₂ emissions by 75 t/year

Waste avoided

Prévention →

Non-Waste

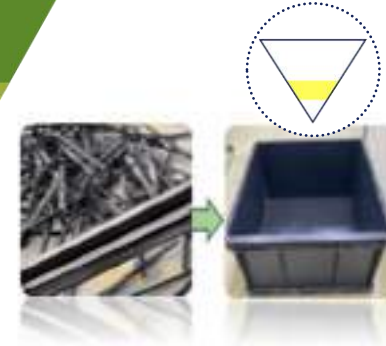
Reused →

Waste

Recycled →

Valorization energetic →

Landfill + incineration →
50% reduction in 2025 vs 2019



Wuhan (China)

Reuse of extrusion profile waste in the manufacture of plastic packaging

- Estimated carbon footprint reduction of 0.644 kg/pack

ACTING WITH OUR SUPPLIERS (1/2)

With upstream scope 3 emissions estimated to be five times the total Hutchinson Scope 1 & 2, Hutchinson is committed to engage all suppliers in greenhouse gas management and align their action with the industry trend: carbon neutrality commitment, renewable electricity, circular economy, life cycle analysis and fair governance.

These requirements were set up in 2021 with short term goals and are monitored on a regular basis to achieve a premium performance in the long term.

5 requirements to fulfil



Carbon neutrality



Renewable electricity



Circular economy



Life cycle analysis



Governance

Short-term objectives

Flow down Hutchinson expectations to our supply base



Get suppliers commitment

Integrate our requirements in the purchasing strategy



Monitoring through data and KPIs

Long term objectives

Scope 3 upstream as defined by GHG protocol

1. Purchased goods and services
2. Capital goods
3. Fuel- and energy-related activities (not included in scope 1 or scope 2)
4. Upstream transportation and distribution
5. Waste generated in operations
6. Business travel
7. Employee commuting
8. Upstream leased assets

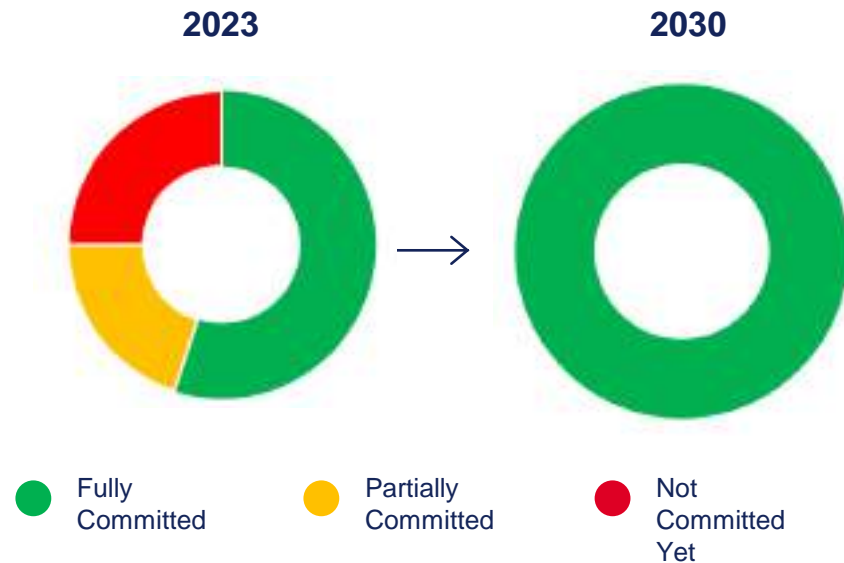


A compliant supply base



ACTING WITH OUR SUPPLIERS (2/2)

Suppliers' sustainability commitment is moving forward



Our ambition is to achieve 100% commitment with the target suppliers.

Together with suppliers towards 2030

- All our purchasing team trained on CSR and able to deploy all our Roadmap
- +/- 500 main suppliers compliant with 5 axes and having implemented decarbonization actions
- Any new supplier (CDP, transport, packaging) 100% compliant with all CSR requirements
- 80% CSR audits performed at main suppliers



SUPPORTING OUR AMBITION WITH STRONG AND FAIR GOVERNANCE



Recognized certifications

- ECOVADIS Gold
- CDP Climate A- & Water A- (TotalEnergies)



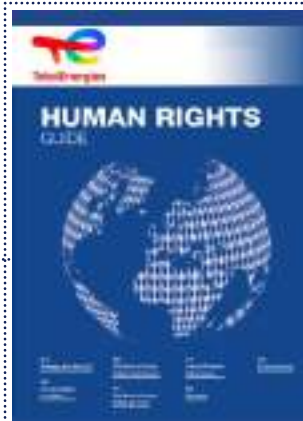
Safe materials

- Certification C2C Material Health for buildings seals (VEGA 7011)

TotalEnergies policies are implemented within our organization. Hutchinson has its own EcoVadis Gold certification and other ratings like CDP are consolidated at the parent company level.

Business Ethics

- Our references documents



PROMOTING OUR FUNDAMENTALS (HEALTH, SAFETY)

Chemical regulations compliance

- Being compliant to chemical regulations: a must in our business



Mental Health & well Being

- Understand, detect and protect employee to promote mental wellness



Safety: For Me, For You, For All

- The Company Motto



PLANDO CHECKACT

SAFERING

- The formal Safety management system
- 100% of our sites are evaluating according to “SAFERING” standard and/or ISO 45001 certified

Employee safety is fundamental for Hutchinson; with a proven record of TRIR* < 1 since 2015. We promote a safe and healthy workplace daily using the Group’s best practices.



The Golden Rules

- A memento to check every day my commitment to safety

The Safety culture

- A way of sensibilization on hazards & risks to improve our behaviour and safety culture



World Day For Safety

- A dedicated moment to reinforce the safety culture

TRANSFORMING WITH OUR PEOPLE

Diversity, equal opportunity & inclusion

- Caring for the diversity in our recruitment and promotions
- Promoting strong local executive teams to manage our plants worldwide
- Women will represent 30% of the High Potential employees and 30% of the local Management Committees by 2027,



Social dialogue

- One monthly meeting of employee representative bodies at all its sites*
- Existence of an European Representative Body



Quality of life at work

- Promote a flexible modern and attractive work organization for our employees while combining collective efficiency and technical constraints in a safe working environment
- Organize and develop teleworking with clear rules, when possible

Training & Skills development



- Anchor training culture to develop skills through on-site, remote and on the job training through an efficient HR Information System
- by 2027, 95% of people worldwide will receive a minimum of one training session per year

Our employees are at the heart of our performance, our joint success relies on their engagement and well-being.



Engagement of our employees

- Listening to our employees is key to achieve our sustainability journey.
- Our employees are surveyed every two years about the company's future and their engagement at work (2022 score : 71%)
- Build on our employee survey to continuously improve a positive engagement level

Parenthood

- Fair approach to parenthood within the professional life
- By 2027, 100% of women or first parent going on maternity leave will have at least 14 weeks of leave with their basic salary maintained at 100% over this period
- Fair return after maternity leave



Care & Social Protection

- Ensure a living wage and quality social protection for all our employees, regardless of their location
- by 2027, 80% of our entities will offer a medical check-up every 2 years,
- by 2027, 100% of our employees will be covered by a death insurance equivalent to 2 years' salary

* In accordance with local social laws.



FOSTERING AWARENESS AND TRAINING



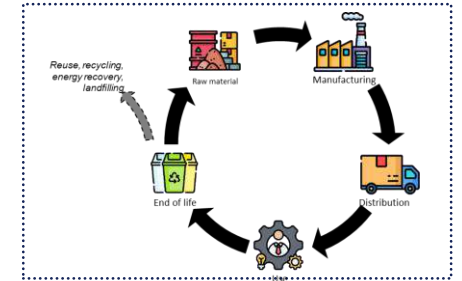
Raise employees' awareness to climate change and other sustainability challenges

- 9 e-learnings in open access
- Climate Fresk with over 2500 people trained
- Sustainability challenges included in the Onboarding process for new employees



Learn and share about ISO50001 & Energy efficiency

- Digital tool to share our best practices
- ISO 50001 trainings
- “Energy Efficiency in Industry” training dedicated to Energy Efficiency Referents



Deploy the eco-design approach

- Eco-design open access e-learning dedicated to development and sales profiles

Sustainability starts with awareness and training. A range of training courses is available in the Group Course Catalogue to enhance everyone's knowledge.

Encourage innovation mindset

- Challenges and Awards organized throughout the company
- Innovation Camp to develop new sustainable solutions



Raise employees' awareness with responsible initiatives (environment, care, energy, water)

- More than 300 actions recorded every year



PROMOTING LOCAL INITIATIVES



Chemillé (France)

Helping restore biodiversity around our industrial sites

- > 500m of hedgerow and fruit trees planted (local species)



Poland

Caring for employee well-being

- Polish sites implemented a partnership with the digital platform **Wellbee** offering easily accessible psychological support to all employees, from self-development to therapeutic management.

Protecting the environment, contributing to the development of our host regions and collaborating with our stakeholders are principles that are translated into concrete actions at all our sites.



China

Contributing to the education of young people

- Hutchinson Chinese sites raise funds through charity actions to establish book corners in rural schools

Montargis, Amiens (FR) & Armiñon (SP)

Promoting the employment for the most vulnerable

- Some sites show **strong commitments to the local community** through partnerships with associations, prisons, or membership of specific national programs in favour of minorities and vulnerable people.



Celaya (Mexico)

Supporting our sub-contractors as they mature

- Hutchinson Celaya contributes to improving the level of HSE and ethical maturity of its subcontractors by organizing training sessions

LET'S MOVE FORWARD TOGETHER

Employees, customers, suppliers and all stakeholders have a shared responsibility to achieve carbon neutrality, a more circular economy, a fair and inclusive governance and a biodiversity.

Let's join forces to continue designing innovative solutions and comprehensive renewed business models to shape a sustainable mobility.

TOGETHER, we can meet that challenge.





Hutchinson employees fully support this sustainability roadmap

