

S U S T A I N A B I L I T Y R E P O R T

2022

Communication on Progress (COP)



Our Statement of Continued Support

To our stakeholders:

Since Materialise was founded in 1990, we've strived to make a sustainable difference for a better and healthier world. In 2017, we pledged our commitment to the United Nations Global Compact, its Ten Principles, and seventeen SDGs. During that period, we were confident we were taking both a natural and important next step. And now, a few years later, as we recover from the COVID-19 pandemic and become increasingly aware of the effects of climate change, we're proud of the progress we've made during such global challenges. We're also aware, however, there's still plenty of work to be done to create the world we envision and fulfill our overarching mission.

In 2021, we strengthened our support of the UNGC by adding two important new cornerstones to our sustainability program. We launched a new, longer-term 2025 objective, 'Empowering the Choice for Sustainability,' and committed to setting science-based targets through the Science Based Targets

initiative (SBTi). In 2022, we concluded our materiality analysis and created our sustainability roadmap, which was approved by the Management team, the Board, and our external stakeholders. In October, we put sustainability in the spotlight by coordinating a company-wide Sustainability Day. This internal event covered our roadmap and the current and upcoming initiatives we've organized to raise awareness, enthusiasm, and engagement within our offices worldwide — allowing everyone at Materialise to understand and get behind our sustainability strategy.

Based on preliminary results, we expect to achieve a 40% reduction in greenhouse gas emissions in 2022 worldwide (compared to 2019), and we're on target to reach a 50% reduction by 2025.

This year, our sixth anniversary with the UNGC, I am pleased to confirm that Materialise reaffirms its support of the United Nations Global Compact and its Ten Principles in the areas of Human Rights, Labor,

Environment, and Anti-Corruption. And with this annual Sustainability Report/COP, we summarize the progress we have made against these principles to date and pledge to continually improve their integration into our business strategy, culture, and daily operations.

Continually setting the bar higher, pushing the boundaries of innovation and creativity, and supporting the planet and those around us are aims that are enthusiastically embraced at all levels of our global organization. Together, we will continue on our journey to make the world a better, healthier, and more sustainable place.

Peter Leys
Executive Chairman



Table of Contents

OUR COMPANY

4 About Materialise

- 4 The Materialise Mission
- 5 Materialise at a Glance
- 6 Organizational Structure
- 7 Our 3 Business Units

8 Fair Business Practices & Governance

- 8 Leadership
- 8 Sustainability Management
- 9 Guidelines & Policies
 - 9 Code of Conduct & Ethics
 - 10 Quality Management
 - 11 Environmental Management
 - 12 Information Security
 - 13 Compliance and Data Protection

14 Our Sustainability Strategy, Priority SDGs, & Empowering the Choice for Sustainability

16 Sustainability Reporting

17 Materiality Assessment & Matrix

OUR SUSTAINABILITY PRIORITIES

18 People > Fostering Opportunities to Grow and Thrive

- 20 Safe & Healthy Offices/Production Facilities
- 22 Anti-Harassment Workplaces
- 23 Equal Opportunities & Diversity
- 25 Compensation, Training & Development
- 26 Wellness & Lifestyle Support
- 27 Supply Chain Policy

28 Planet > Minimizing Environmental Impact & Supporting our World

- 29 Cutting our Carbon Footprint & Our SBTi and Net-Zero Commitment
- 31 Rethinking & Reducing
- 34 Environmental Management
- 35 Life Cycle Assessments
- 35 Supply Chain Policy

36 Prosperity > Building a Just, Inclusive and Healthy Society

- 37 Supporting Healthcare
- 40 Charitable Activities
- 42 Anti-Corruption

43 Partnerships > Working Together to Create a Meaningful Difference

46 2022 Highlights

50 2023 Objectives



OUR COMPANY

About Materialise

When Materialise was founded in 1990, our goal was to enable new uses for the extraordinary potential that 3D printing offers. Since then, we have leveraged our experience to create a range of software solutions and 3D printing services, which together form a backbone for the 3D printing industry.

Our open and flexible platforms enable players in industries such as healthcare, automotive, aerospace, art and design, and consumer goods, to build innovative 3D printing applications that make the world a better and healthier place.

Headquartered in Belgium with a public listing on the NASDAQ stock exchange and more than 2400 people in 21 countries worldwide, Materialise combines one of the largest groups of software developers in the industry with one of the largest 3D printing facilities in the world. Ultimately, we empower our customers to transition towards a digital manufacturing process and to launch innovations that have the potential to forever change the faces of their industries.

THE MATERIALISE MISSION

The Materialise mission has remained unchanged since our company was founded by CEO Fried Vancraen more than 30 years ago.

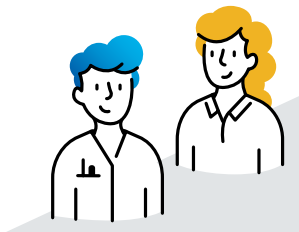


Our mission is to innovate product development that results in a better and healthier world, through our software and hardware infrastructure, and an in-depth knowledge of Additive Manufacturing.

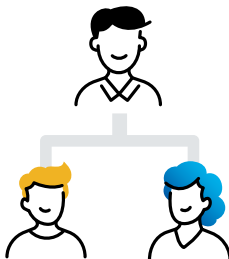
MATERIALISE AT A GLANCE*



232
million EUR
annual revenue



2400+
employees



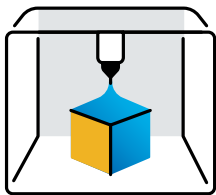
3
business units
reporting structure



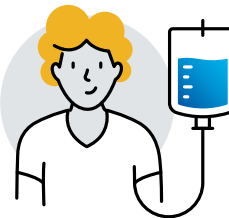
485+
patents granted



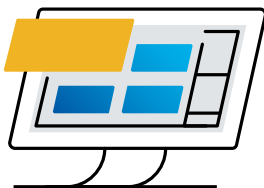
21
countries
we're active in



1.6M+
parts printed in 2022



50K+
patients helped in 2022

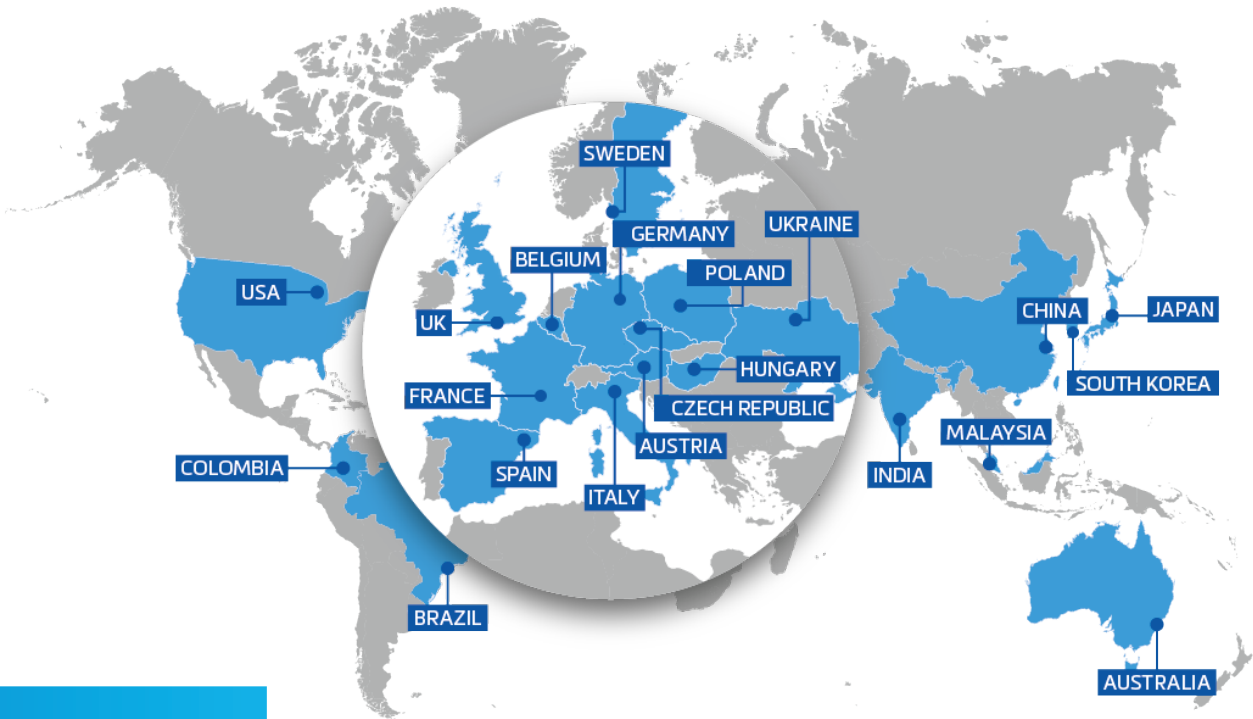


92%
of largest metal AM
System Manufacturers
use Materialise software

*As at December 31, 2022.

ORGANIZATIONAL STRUCTURE

Materialise NV is a publicly-held corporation which trades on the NASDAQ stock exchange. We operate 31 offices in 21 countries worldwide with headquarters located in Leuven, Belgium. Most of our offices are subsidiaries and include the Materialise companies ACTech, Engimplan, Materialise Motion and RapidFit, as well as the joint venture Tianjin Zhenyuan Materialise Medical Technology. Our main manufacturing facilities are located in Belgium, Germany, Brazil, Czech Republic, Poland, and USA.



Materialise Offices*

ASIA-PACIFIC	EUROPE		AMERICAS
Australia China (2) India Japan (2) Malaysia South Korea	Austria Belgium (2) Czech Republic France (2) Germany (3) Hungary	Italy Poland Spain Sweden Ukraine United Kingdom (2)	Brazil Colombia USA (4)

*As at December 31, 2022.

Materialise is divided into 3 business units: Manufacturing, Software, and Medical, and financial results from our worldwide operations are reported in consolidated form and according to these business units.

Full details can be found in our annual report: investors.materialise.com/sec-filings

OUR 3 BUSINESS UNITS



SOFTWARE	MANUFACTURING	MEDICAL
<p>Dedicated 3D printing tools for:</p> <ul style="list-style-type: none">Design fixing, data & build preparationProcess control & simulationWorkflow optimization and automationE-commerceProduction planning, logistics and operations management	<ul style="list-style-type: none">Certified ManufacturingDigital Supply ChainsRapid PrototypingDesign & EngineeringConsulting ServicesIndustry specific solutions, including for aerospace, automotive, eyewear, footwear, healthcare, and industrial equipment	<ul style="list-style-type: none">3D printing at point-of-care3D surgical planningPersonalized medical devices3D Medical image-based research and engineering

Materialise Magics 3D Print Suite • Materialise CO-AM Software Platform • Materialise Mindware • Materialise Mimics Innovation Suite • Materialise Phits Suite

www.materialise.com

Fair Business Practices & Governance

LEADERSHIP

In 2022, Materialise had a ten-member Board of Directors, including our Executive Chairman Peter Leys and our company founders Wilfried Vancraen and Hilde Ingelaere, who also serve as CEO and Executive Vice President respectively. The Executive Committee was comprised of ten members.

Further details are publicly available on the governance pages of our investor relations website: investors.materialise.com/board-of-directors and investors.materialise.com/management

SUSTAINABILITY MANAGEMENT

Our corporate sustainability team, which manages and executes our sustainability program, is primarily based in our headquarters in Leuven, Belgium. In 2022, the team was headed by Leen Kuijken, Head of Sustainability and Corporate PMO, who reports to our COO and convenes with the CEO and Executive Chairman at least on a bi-monthly basis.

In 2022, the sustainability team consisted of 20 part-time members, including a full-time coordinator, as well as local sustainability champions ("Ambassadors") at HQ and in all our international entities.



GUIDELINES & POLICIES

Code of Conduct & Ethics

The Materialise Code of Conduct & Ethics was created to provide guidelines for conducting the business of Materialise to the highest standards of business ethics. This Code applies to all Materialise directors, officers, consultants and other employees, and the Code has been incorporated into the Materialise training program to ensure that all employees have read and understand what is expected.

The Materialise Code supports all the Ten Principles of the UN Global Compact and is available publicly on our website at:

investors.materialise.com/governance-documents

Connected to this Code, we operate an anonymous hotline, available 24 hours per day, 7 days per week, which employees can call should they have any concerns or questions.



Quality Management

For 3D printing to live up to its full potential and transform businesses and lives, three elements need to align: quality, reliability, and repeatability. This means we are continuously improving ourselves, enabling every employee and manager at Materialise to make a commitment guaranteeing quality in compliance with regulatory requirements.

We provide the backbone for 3D printing technology, and by implementing the [Materialise Quality Policy](#), we are able to deliver high-value products, services and knowledge to our customers in our three main areas of expertise: manufacturing, software and medical.

Delivering quality services and solutions requires a deep understanding of our customers' needs, together with careful planning, organization, and monitoring to ensure we keep meeting those needs. Over the years, Materialise has continuously improved its quality management system, and we're proud of the certifications that are proof of our efforts.



Materialise touches individual lives with our medical devices and every resulting story is personalized. Each step in designing and manufacturing personalized medical devices and medical device software follows the regulatory focused quality management system for medical devices compliant to :2016 to ensure safe and effective products.



As providers of high-quality prototypes, production tools and cutting-edge software, we've already enjoyed a long collaboration with the aerospace industry. Since adopting specific aerospace industry standards, we have received EASA Part 21G and EN9100:2016 certification. This allows authorized delivery of airworthy additive manufactured end-use parts.



Specifically at our ACTech facilities, in addition to our ISO 9001:2015 certification, we are both a DNV approved manufacturer of iron castings for ships and offshore, and an EN 15085-2 CL1 certified producer of parts for rail vehicles.



Materialise values quality management principles according to ISO 9001:2015, with a strong focus on customer satisfaction and continuous improvement. On a regular basis, we perform customer surveys or customer journey workshops to receive customer input. This triggers and enables us to constantly improve the entire organization.

Environmental Management

As a 3D printing company with industrial and medical production facilities, Materialise has a responsibility towards the environment around us and we're moving towards a sustainable future with our environmental management system (EMS).

Our EMS allows us to understand, address and minimize our ecological footprint. With this policy at our headquarters in Belgium, in our ACTech operations in Germany, and at our Polish facilities, and our ISO 14001:2015 certificates, we are making a commitment to protect the environment and to comply with European environmental legislation, regulations and customer-specific requirements in all of our operations, processes and services.



The EMS focuses on:

- Reducing raw material usage by controlling spills and rejected parts
- Minimizing waste through recycling and proper waste disposal
- Efficient water and energy use
- Minimizing the use of harmful solvents
- Encouraging environmentally friendly commuting

But we know we can keep doing better. We remain committed to continual improvement and each year, we set relevant targets, measure, review and report our performance.





Information Security

We understand the need for confidentiality, integrity, and the availability of information, regardless of its source and form. That's why we're committed to assessing our information security risks and addressing them appropriately.

In 2022, we prepared for the initial ISO 27001 certification, which is crucial for the first part of our operations in 2023.

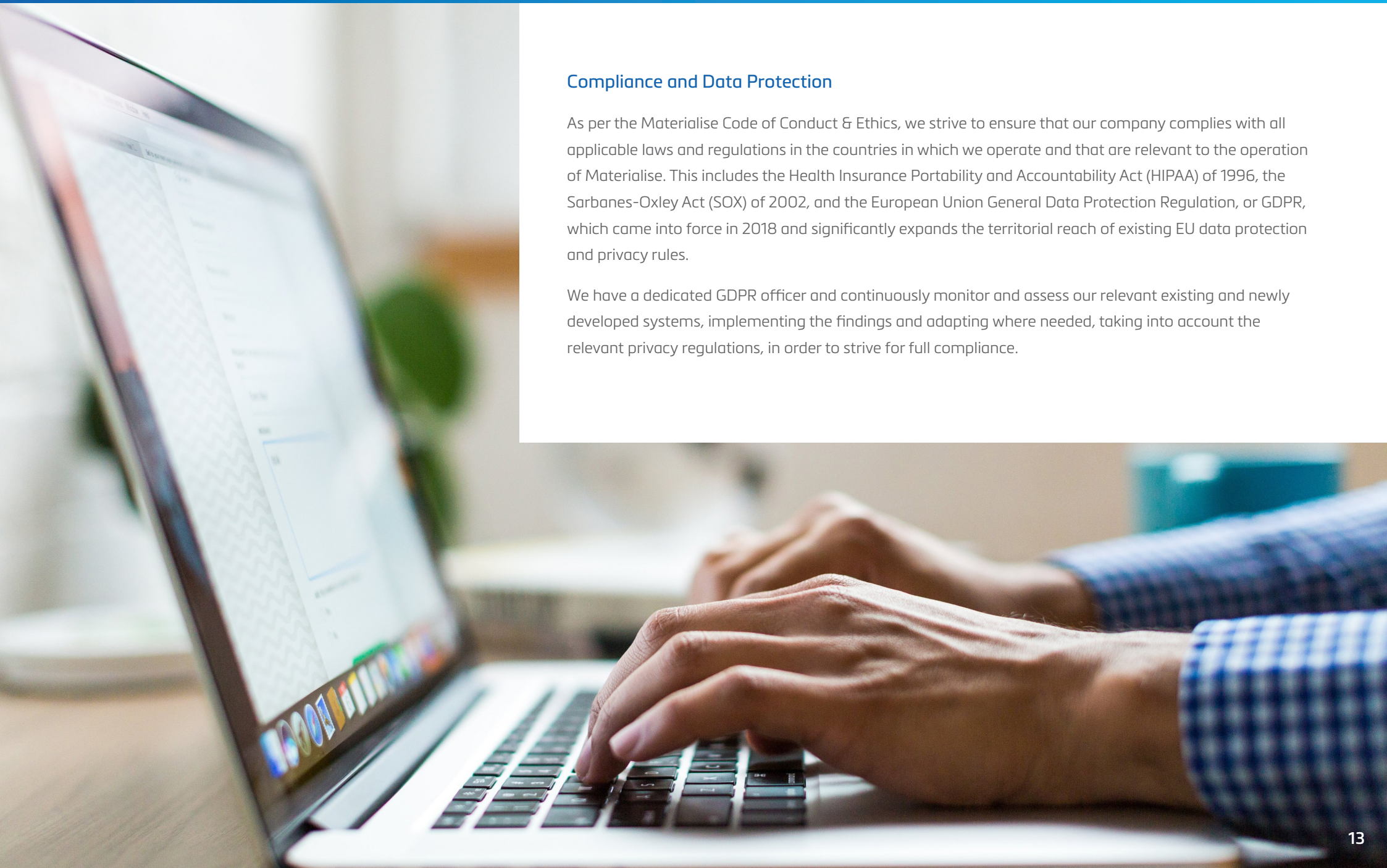
In order to achieve our vision of 'Empowering the Choice for Sustainability', we've applied common policy principles as the core of our corporate management system. These principles encompass quality management, environmental management, information security management, and other aspects of our business.

For more information, please see our [Management Systems Policy](#).

Compliance and Data Protection

As per the Materialise Code of Conduct & Ethics, we strive to ensure that our company complies with all applicable laws and regulations in the countries in which we operate and that are relevant to the operation of Materialise. This includes the Health Insurance Portability and Accountability Act (HIPAA) of 1996, the Sarbanes-Oxley Act (SOX) of 2002, and the European Union General Data Protection Regulation, or GDPR, which came into force in 2018 and significantly expands the territorial reach of existing EU data protection and privacy rules.

We have a dedicated GDPR officer and continuously monitor and assess our relevant existing and newly developed systems, implementing the findings and adapting where needed, taking into account the relevant privacy regulations, in order to strive for full compliance.



Our Sustainability Strategy



Sustainability is a key part of our mission. It’s how we think, feel, and act as a company and community of creators and visionaries. We’re consistently thinking of ways to reduce our environmental impact and advance 3D printing in a sustainable way. Our ethos is to empower customers to consider more sustainable business models and drive positive outcomes for the environment, business, and society as a whole.

PRIORITY SDGS

In 2022, we continued focusing on the six priority Sustainable Development Goals (SDGs) that we had identified in 2020: Good Health & Well-Being (3), Decent Work & Economic Growth (8), Industry, Innovation & Infrastructure (9), Responsible Consumption & Production (12), Climate Action (13), and Partnerships for the Goals (17).



EMPOWERING THE CHOICE FOR SUSTAINABILITY

As of the start of 2021, our priority SDGs were strengthened by a new longer-term 2025 objective to take the 3D industry to a new level and 'Empowering the Choice for Sustainability'. At Materialise, we are always asking, "What can we do to make 3D printing more sustainable?"

We are committed to:

- Reducing the negative impact of our operations and driving positive outcomes for business, society and the environment.
- Empowering our customers to imbed sustainability into their operations and the solutions they offer.
- Innovating continuously, developing new solutions to reduce waste, enable mass personalization, and optimize the unique advantages of 3D printing.



Sustainability Reporting

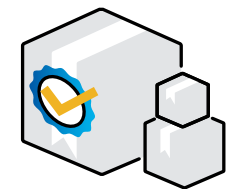
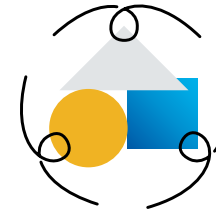
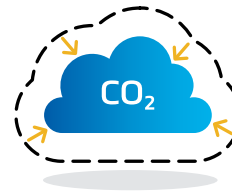
Sustainability reporting supports transparency. It helps us share our story, and even more importantly, understand how we're doing and how we can do better. This 2022 report is our sixth, compliant with United Nations Global Compact requirements, and outlines the progress we have made against the seventeen SDGs and each of the Ten Principles of the UNGC. To the extent they are available, performance indicators and quantitative data are also provided. Unless otherwise stated, the data refers to our financial year ending December 31, 2022. Wherever possible, this report covers the worldwide operations of Materialise. Where worldwide data is not available, it is indicated. At a minimum, this report covers about 30% of our employees (HQ), aiming at all times to reach 100%.

Preparation for the upcoming Corporate Sustainability Reporting Directive (CSRD) started in 2021, where we created a materiality assessment and matrix. We completed this journey in 2022, identifying six materiality topics that were externally validated by a diverse group of stakeholders.

- Carbon
- Diversity & inclusion
- Ecodesign & innovation for sustainability
- Employee engagement and well-being
- Material use efficiency & waste reduction
- Sustainable procurement

For the sixth year in a row, Materialise operations are being assessed by EcoVadis, with results expected in the first half of 2023. We consider this to be another first step towards GRI and more specifically, independent assessment of our sustainability program.

Materialise is among the very few companies in our industry reporting in a consistent, structured way, always with a focus on improving and achieving best practices.



Sustainability Roadmap

Based on the materiality matrix, we created a sustainability roadmap – a strategic plan that outlines the key targets for the materiality topics over the coming years. These objectives include earlier targets, such as our well-known ambition to reduce our carbon footprint by 50% by 2025, compared with our company's absolute emissions in 2019.

Also, new targets are set to increase the circularity of our production that focus on:

- Sustainable procurement and supply chain
- Further reducing waste compared to output
- Investing in the recyclability of our end products

The Management team and the Executive Committee approved the sustainability roadmap, and it was internally communicated worldwide at our Sustainability Day. This event focused on company-wide and individual actions that encourage more sustainable behavior and was used as a catalyst to inform and foster enthusiasm about these upcoming changes. Over the next few years, a program of initiatives will be executed to ensure that our ambitious targets are realized.



OUR SUSTAINABILITY PRIORITIES

People: Fostering Opportunities for People to Grow & Thrive

Our ability to provide innovative solutions and applications relies on the talented people both within Materialise as well as those throughout our global supply chain. We owe our success to our people and one of our primary objectives is to ensure work environments where all employees feel safe and healthy, empowered to grow and thrive.

To effectively support our 2400+ workers in more than 20 countries worldwide, our people strategy is based on:

- Safe and healthy office and production facilities
- Employee policies to support diversity, inclusion and equality
- Training and development
- Wellness and lifestyle support
- Supply chain policy with rigorous Human Rights requirements and controls

In 2022, for the fourth consecutive year, Materialise completed the program to achieve certification for excellence in employee conditions by the Top Employer Institute. The Top Employer designation for Belgium, where our HQ is located, was awarded to us again in January 2023. In August 2022, our Malaysian office received the 'Great Place to Work' certification. And following on from their success last year, our US office was recognized by Crain's Detroit Business as one of the '100 Cool Places to Work in Michigan' in 2022.



Related UNGC Principles

PRINCIPLE 1	Businesses should support and respect the protection of internationally proclaimed human rights; and
PRINCIPLE 2	make sure they are not complicit in human rights abuses.
PRINCIPLE 3	Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining;
PRINCIPLE 4	the elimination of all forms of forced and compulsory labor;
PRINCIPLE 5	the effective abolition of child labor; and
PRINCIPLE 6	the elimination of discrimination in respect of employment and occupation.



SAFE AND HEALTHY OFFICES AND PRODUCTION FACILITIES

Ensuring a safe and healthy working environment is one of our top priorities and we consider health and safety to be a shared responsibility between employees at all levels within our global organization. At Materialise HQ, there is a committee for 'Protection and Prevention in the Workplace' which is comprised of representatives from both the general workforce and management and meets regularly to manage all concerns related to health and safety. For our international offices, the health and safety programs have been created according to local needs and requirements.

All Materialise offices and facilities around the world are safe, suitable and sanitary, and comply with local needs and legislation. In addition, as stated in our Code of Conduct, all employees are required to comply with all health and safety laws, regulations and policies relevant to their positions. We take this very seriously, and failure to comply can result in not just civil and criminal liability but also termination of employment.

A great product relies on craftsmanship and the finish. We've invested heavily in renovating our production facilities, such as our dedicated finishing area at Materialise HQ in 2022, so that every product we work on is up to scratch. The revitalized production area was officially opened in March of this year and is a renovation that intelligently uses the space within the building. Noisy equipment has been isolated in a separate area to create a more engaging working environment for our colleagues. Due to this and other measures, the area will save energy and other facility costs.

And it's not just at HQ; last year, we pledge to invest 23 million euros over the next three years to support our team at ACTech with the acquisition of an additional production facility to meet the demands of automotive. By doubling ACTech's production capacity, they'll be able to align with two major trends in the industry: the shift to electrification and companies turning to ACTech for fast and reliable prototyping solutions for a variety of small series parts, such as engines that use alternative fuels like hydrogen, biofuels, and other energy sources.

Our largest production facilities include those in Belgium, Germany, the Czech Republic, and Poland. In 2022, a total of 62 minor workplace accidents were registered worldwide. Also, during this period, there was one serious accident where an employee was exposed to isopropyl alcohol (IPA), leading to chemical burns and a 30-day work disability. Corrective actions have been taken and updates were made to the risk measures to avoid this situation, or similar incidents, from occurring in the future.



Belgium HQ: 85% office workers, 15% production workers

	Total # of employees	# employees trained in first aid	# fire prevention officers	Total # of workplace accidents	Total # of work accidents resulting in death or serious injury	Total # of days of sick leave due to work accidents
2022	733	16	21	12	1	380.5
2021	627	17	14	2	1	234

Germany - AC Tech: 37% office workers, 63% production workers

2022	371	67	17	24*	0	273
2021	378	65	34	5*	0	60

Germany - Materialise: 86% office workers, 14% production workers

2022	121	13	0	1	0	6
2021	124	7	0	0	0	0

Czech Republic: 44% office workers, 56% production workers

2022	65	20	10	15	0	0
2021	67	0	8	0	0	0

Poland: 43% office workers, 57% production workers

2022	90	11	11	0	0	0
2021	76	3	0	2	0	0

*Accidents that occurred either at work or during the commute to/from work resulting in an incapacity to work for more than 3 calendar days and a report to the "Berufsgenossenschaft" trade association.

ANTI-HARASSMENT WORKPLACES

Materialise prohibits harassment based on race, color, religion, national origin, sex (including pregnancy), sexual orientation, age, disability, veteran status or any other characteristic protected by law, in any form, whether physical or verbal and whether committed by supervisors, nonsupervisory personnel or non-employees. Harassment may include, but is not limited to, offensive sexual flirtations, unwanted sexual advances or propositions, verbal abuse, sexually or racially degrading words, or the display in the workplace of sexually suggestive or racially degrading objects or pictures. Where harassment or discrimination is uncovered, prompt corrective action is taken, which may include disciplinary action by Materialise, up to and including, termination of employment.

In addition to the anonymous hotline connected to our Code of Conduct, free, confidential counselling and support is also available to all our worldwide employees. At our HQ in Belgium, this is provided through our internal Confidential and Prevention Advisors as well as the external company IDEWE. In our USA office, there is an Employee Assistance Program (EAP) available 24/7 provided by MetLife, and since 2021, a similar EAP was rolled out to our remaining offices via Pulso Europe.



EQUAL OPPORTUNITIES & DIVERSITY

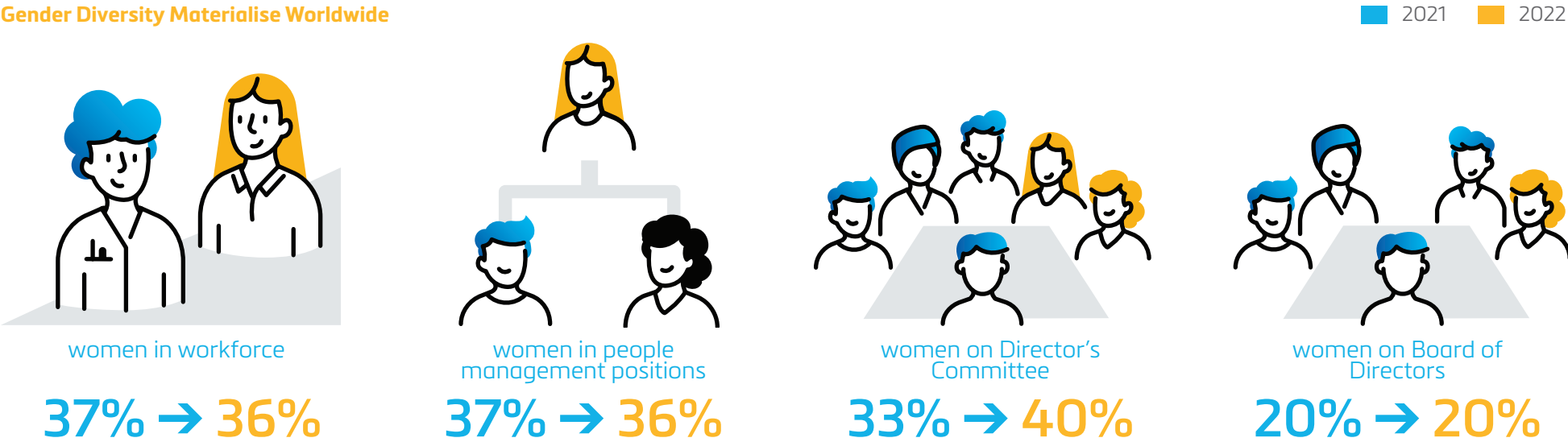
With more than 2400 employees across 21 countries worldwide, Materialise embraces differences, respecting all people equally, and believes that a diverse workforce is crucial to our business success. As outlined in our Code of Conduct, we are committed to providing equal opportunity and fair treatment to all individuals on the basis of merit, without discrimination because of race, color, religion, national origin, sex (including pregnancy), sexual orientation, age, disability, veteran status or other characteristic protected by law.

We do not participate in any form of forced or compulsory labor, including within our supply chains. Employees have the right and are free to join trade unions.

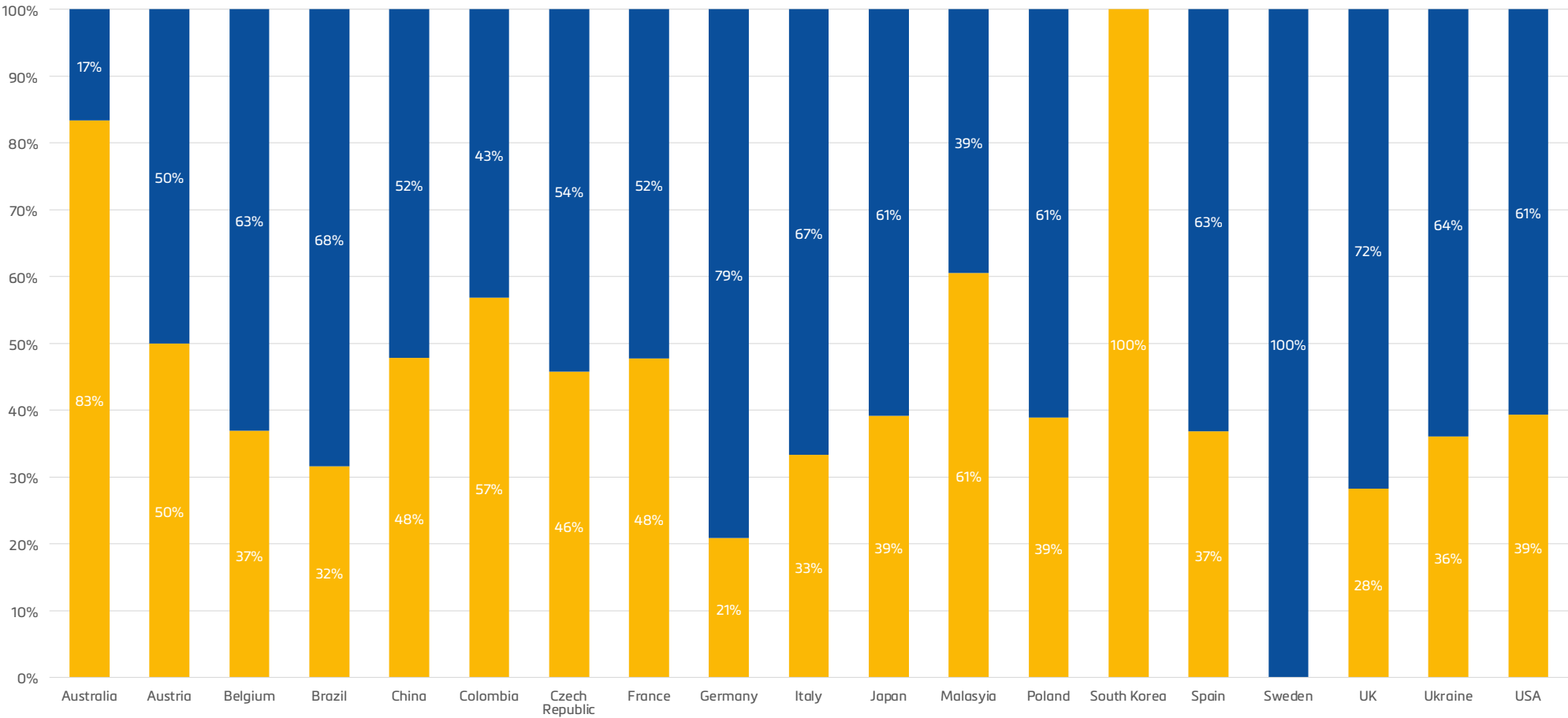
Employees must comply with all applicable labor and employment laws relevant to their jobs and are aware that a failure to do so can result in civil and criminal liability, and termination of employment.

Also in 2022, no complaints to our anonymous hotline were received and at Materialise HQ, which are our primary office and production facilities, less than 0.5% of our workforce had a disability, about 39% were women, and our approximately 730 employees represented 43 different nationalities. Looking on a worldwide basis, our +2400 employees represented over 55 different nationalities, and women represented about 37% of our workforce. For further details, please see the charts below.

Gender Diversity Materialise Worldwide



Gender Diversity Materialise Worldwide



COMPENSATION, TRAINING & DEVELOPMENT

Materialise has a formalized wage band system to ensure 'equal pay for equal work'. The system conforms to national legal standards and is regularly benchmarked against industry standards. This system is fully in place in our operations worldwide. In addition, based on local needs, more than 70% of our worldwide employees also benefit from additional medical insurance and retirement provisions.

The progress of our people is essential not just for the individuals themselves but also for our customers and our company as a whole. To ensure that all employees have the opportunity to shape their careers and grow and develop, Materialise has both a formal performance evaluation system, with evaluations occurring twice annually, as well as a comprehensive training program. In 2022, we continued our digital way of working by offering online training sessions. This method allows a much larger audience to access our training material and develop their skills. Furthermore, we made other significant changes, including:

- We further expanded our LEAD program, to support and develop upcoming and current people managers.
- At Materialise, we want to nurture a coaching culture. Therefore, in 2022, we introduced the digital platform CoachHub. This platform offers a 1 on 1 coaching journey with an experienced business coach.
- LinkedIn Learning remains our most popular platform with an activation rate of 83%. This shows our employees are eager to learn continuously.

In 2022, on a worldwide basis, approximately 54% of our employees benefited from our standard training courses/catalogue, up 8% over last year. Over 15% followed more than one training. More than half of our Managers and Team Leaders have followed at least one training from the LEAD program.



WELLNESS AND LIFESTYLE SUPPORT

To continuously strive for a better and healthier world, we need an energized, motivated, and happy workforce. That's why we offer a variety of programs to help employees live healthy lives, focusing on three areas: physical, mental, and social well-being.

Our physical initiatives include no-smoking policies, flu shots, a variety of exercise classes, and bike leasing programs. Not to mention larger, more team-based activities that are sporty in nature, such as the Brussels Ekiden Run and our annual soccer tournament. In addition, we keep our employees fueled with fresh fruit deliveries and hydrated with kitchens that include fresh drinking water, tea, and coffee.

For mental well-being, we've set up an employee assistance program (EAP), a user-friendly platform that connects professionals with employees that need support with maintaining, improving, or restoring mental resilience. We've also promoted our new guidelines for a healthy meeting culture to all our employees, not to mention organized webinars that provide tips on how to focus when working from home effectively and training sessions on strengthening resilience.

Finally, for social well-being, we're fully committed to a hybrid work policy, enabling employees for whom homeworking is possible to continue to choose the best ways to work, organize, collaborate, and balance their personal and professional lives. Plus, it's important to highlight our colleagues' efforts, especially as they were instrumental in Materialise being nominated as a finalist at LinkedIn's 2022 Talent Awards for the Benelux region. This shows that Materialise has an exceptional learning culture and an engaged workforce that's balanced hybrid working with online learning. While LinkedIn has recognized us as a company, we believe we should also acknowledge individual and team accomplishments. That's why we've created an appreciation and recognition scheme to celebrate our achievements together.



SUPPLY CHAIN POLICY

At Materialise, we recognize that success isn't just because of our direct employees; many people along our supply chains contribute, too. The Materialise Supply Chain Policy fosters sustainable procurement, supporting the values that shape and drive us as a company: innovation, integrity, quality, co-creation, and people. Our global Supply Chain Policy includes the UN's Human Rights requirements to ensure that our suppliers respect internationally recognized human rights. In tandem, it helps them to strive and be aware of any violations throughout their own supply chains and act accordingly. The latest version of our [Supply Chain Policy](#) is on our website.

In 2022, we have started the review of our major suppliers using the EcoVadis platform. At the beginning of 2023, we issued a Modern Slavery Statement setting out the actions taken to understand the potential risks related to our business and to prevent slavery and human trafficking within our supply chain.



Planet: Minimizing Environmental Impact & Supporting our World

The world is facing critical challenges connected to climate change. Protecting the planet is both our responsibility and a necessity. Seeking opportunities in every corner of our business and new ways to empower our customers and suppliers, our planet strategy is based on:

- Cutting our carbon footprint and committing to net zero
- Rethinking and reducing
- Managing our environmental impact
- Investing in research

Related UNGC Principles

PRINCIPLE 7	Businesses should support a precautionary approach to environmental challenges;
PRINCIPLE 8	undertake initiatives to promote greater environmental responsibility; and
PRINCIPLE 9	encourage the development and diffusion of environmentally friendly technologies.



CUTTING OUR CARBON FOOTPRINT

In 2022, for the fifth year in a row, we completed our annual Carbon Footprint Assessment for our worldwide operations in 2021. The assessment followed the Greenhouse Gas (GHG) protocol guidelines for clarifying the origin of emissions and how to report them and the Bilan Carbone protocol for categorizing emission flows.

During 2022, we also performed a recalculation of our baseline CO₂ emissions. The recalculation was based on new insights and more accurate values for certain emission factors, resulting in our 2019 baseline shifting from 20,3 to 17,8 tonnes of CO₂e. These new emission factors are solely related to a more accurate calculation and not to any changes in our technology or energy usage. Fine-tuning this measurement proves we’re fully committed to hitting our ambitious target of reducing 50% of our emissions (in absolute value) by 2025.

Revised Carbon Emissions Materialise Worldwide:

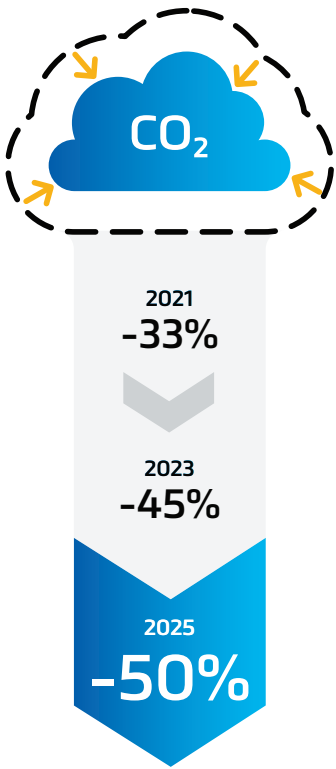
	Scope 1	Scope 2	Scope 3	TOTAL
2019	1.6	4.5	11.6	17.8
2020	1.1	3.1	8.8	13
2021	1.2	3.3	7.3	11.8

in thousands of tonnes of CO₂e

Scope 1 and 2 emissions (direct and indirect energy usage) show a slight increase in 2021 due to a steady increase in activities and employees commuting to the office more frequently in 2021 compared to the beginning of the pandemic in 2020.

Furthermore, expanding the electrification of our company car fleet is only one of the actions we’re taking to lower our emissions. As of 2022, only fully electric vehicles will be allowed as new company cars at our corporate headquarters. The further reduction in Scope 3 in 2021 is related to our travel policy and powder efficiency. Also, in 2020, we accounted for the full CO₂ emissions of our new Metal Competence Center for 3D Printing in Bremen, Germany, as per the GHG accounting rules.

According to preliminary results, as of the end of 2022, we have achieved almost of 40% reduction in our greenhouse gas emissions (compared to 2019). We have set the ambitious target of reaching a 45% reduction (compared to 2019) by the end of 2023. Looking toward 2025, we will cut our 2019 greenhouse gas emissions from our worldwide operations by 50%. We believe this is an ambitious goal, given our projected growth.



Our SBTi and Net-Zero Commitment

In 2020, Materialise joined the Belgian Alliance for Climate Action (BACA) and in 2021, as an extension of this membership, we signed and submitted the 'Business Ambition for 1.5°C Commitment Letter' to the Science Based Targets initiative (SBTi) and joined the UN Race to Zero. We now have until September 28, 2023, to develop, submit and have science-based targets validated by the SBTi.

By signing this letter, we have committed to aligning our climate mitigation targets with the most ambitious aim of the Paris Agreement and to what science dictates is necessary to reduce the destructive impacts of climate change on human society: to reach net-zero global emissions by 2050 at the latest in order to limit global warming to 1.5°C.

Committed
member
of
the

**Belgian
Alliance** for
**Climate
Action**



RETHINKING & REDUCING

By rethinking our production and consumption habits, we can minimize waste in all its forms – time, energy, material – and increase reusing and recycling. One of our goals is to streamline our processes and through dynamic collaboration and innovative products, support our customers to do the same.

An important software innovation in 2022 was a calibration tool for powder bed machines which allowed us to reduce our total scrap rate by 4%. Thanks to this innovation, we reduced our scrap volume by a minimum of 57% and, during certain situations, it reached as high as 80%. After the initial pilot project, we're exploring rolling out this calibration tool to additional machines and powder-bed technologies.

In 2022, we continued reducing the impact of the emissions linked to our PA 12 powder – the most commonly used material for 3D printing – by investing even more into recycling, rejuvenating, and downcycling powder waste, further reducing the use of virgin powder. The yearly amount of powder that went for final downcycling dropped from 16.5 to 2.1 tonnes as more and more valuable options became available.



One of those is rejuvenating used PA 12 powder, where only a fraction of the energy is needed compared to the production of new powder. Using the rejuvenated powder in our processes in 2022 saved us 170 tonnes of CO₂ compared to the emissions related to virgin powder. These savings are in addition to the continuous reduction of CO₂ when using our Bluesint technology — a process that makes it possible to print with up to 100% re-used powder.

Together with our partner Arkema, we collaborated on a life cycle assessment (LCA), comparing the sustainability of PA 12, a regular nylon powder, with PA 11, a bio-sourced powder from castor beans used in our eyewear production. The analysis taught us that creating PA 11 results in only half of the CO₂ impact compared to its oil-based counterpart, PA 12. However, the PA 11 material scored significantly worse than PA 12 on parameters, such as the impact on freshwater, land use, and environmental toxicity, although these non-carbon impacts are much harder to measure. We believe the aggregate impact of PA 11 is still better than PA 12's, and we'll also invest in reducing powder waste for PA 11 as we've done for PA 12. This result shows, once more, the importance of thorough investigations over the full life cycle of products and materials.



Supporting Sustainability: Materialise Manufacturing & Software Innovations

TYPE OF PRODUCT/SERVICE	MATERIALISE PRODUCT/SERVICE	SUSTAINABILITY BENEFITS
Co-creation, consultancy, design, and engineering services	Mindware and design & engineering services	<ul style="list-style-type: none"> Optimizing processes and reducing waste Designing integrated vs. multi-component parts to minimize assembly and reduce energy consumption Identifying (spare) parts for AM to reduce stock & implement order-on-demand Developing new products to address environmental and/or societal issues Innovating new streamlined business models
Localised small/complex series manufacturing	Certified Additive Manufacturing services using renewable energy	<ul style="list-style-type: none"> Enabling the production of sustainable solutions that couldn't be produced otherwise Reducing carbon footprint and climate related impact as compared to traditional manufacturing techniques
Sustainable manufacturing materials	Bluesint PA 12 Biobased plastic PA 11	<ul style="list-style-type: none"> Reducing Laser Sintering powder waste and CO₂ emissions by 32% (PA 12) Reducing CO₂ emissions from Laser Sintering powder production by about 50% (PA 11 as compared to standard PA 12)
Mold production for prototype/small batch casting	ACTech 3D Furan sand mold printing	<ul style="list-style-type: none"> Reducing sand waste by printing with 40% used sand
On demand production services and software	OnSite, i.materialise Magics Storefront	<ul style="list-style-type: none"> Reducing stock risk and waste
Cloud-based software	Materialise CO-AM Software Platform	<ul style="list-style-type: none"> Optimizing computer hardware usage
Digital planning and production software	Streamics Magics Storefront	<ul style="list-style-type: none"> Enabling local production, optimizing processes, and reducing waste one the basis of data collection, identify process efficiency gains
Advanced process control software	Materialise Control Platform (MCP) Process Tuner	<ul style="list-style-type: none"> Increasing resource efficiency of 3D printing Reducing machine and engineering time, and scrap rates
Software simulation tools	Magics Suite Process Tuner	<ul style="list-style-type: none"> Reducing waste and energy consumption via fewer physical prototypes and build failures, and improved quality
Lightweight design and production software	3-matic	<ul style="list-style-type: none"> Optimizing components to reduce weight and waste, for example fuel consumption in aerospace

ENVIRONMENTAL MANAGEMENT SYSTEM



As previously mentioned on page 11, Materialise runs a company-wide environmental management system (EMS) that seeks to understand and above all minimize our effect on the environment. With this policy in place at our headquarters in Belgium, in our ACTech operations in Germany, and our Polish facilities, and our ISO 14001:2015 certificates, we are making a commitment to protect the environment and to comply with European environmental legislation, regulations and customer-specific requirements in all our operations, processes and services.

Materialise employees receive environmental awareness training and are actively encouraged to participate in our EMS. To ensure engagement, compliance, and continuous improvement, every year, we set relevant targets, measure, review and report our performance. For example, at Materialise HQ, in 2022:

- Water consumption measured in liters per day per full-time employee continued to decrease in 2022, from 13.5 in 2021 to 12.86 in 2022, a further drop of 4.77%.
- In 2022, 42% of employees used a bicycle for all or part of their commute, compared to 35% in 2021.
- In 2022, we reduced gas consumption at Materialise HQ by 25% thanks to a wide variety of savings measures, including regulating the temperature in our office space.

- Our continued focus on quality further ensured waste production was minimized.
- The 1051 solar panels on the roof in HQ generated over 255,000 kWh of energy, up 12% over 2021.
- We continued cultivating our green spaces in 2022. In Leuven, a hedge with over 150 flowering and berry-carrying bushes was planted. While in our Czech and Polish offices, 27 fruit trees were planted. Finally, 26 people in our US office planted 50 trees as part of **"The Greening of Detroit"** initiative.

As well in 2022, for the sixth year in a row, Ecovadis has assessed Materialise operations worldwide. In 2020, we were awarded a silver medal for our ACTech operations and in 2021 a bronze medal for our remaining facilities in recognition of our EcoVadis CSR rating, putting us in the top 50% of all the companies they rank.



LIFE CYCLE ASSESSMENTS

At Materialise, we recognize that research is critical in clarifying our impact and ensuring that we invest in the most relevant innovation and technologies to make the 3D printing process more sustainable.

During 2022, we co-published [the results of a life cycle assessment \(LCA\)](#) we conducted with BASF, comparing AM with traditional manufacturing methods for producing midsoles. Our results showed that on some occasions and for specific applications, AM is a more sustainable option when you start decreasing the series size of a product or part. However, AM is not a definitively more sustainable choice per se. In some cases, it has a worse impact on carbon footprint. In spite of these findings, each time we make the process a bit more energy efficient or consume fewer materials, we move the tipping point for sustainability in the right direction.

Also, with the support of our partner, South Pole, we continued to add to our research portfolio by starting another LCA, this time for our personalized insoles. The LCA compares the traditional EVA milling production method with three AM methods: laser sintering (SLS) powder, Multi Jet Fusion (MJF) powder, and fused filament fabrication (FFF). The study will be completed in 2023.



SUPPLY CHAIN POLICY

Our Supply Chain Policy requires that our suppliers be accountable for both their own impact as well as the impact of their supply chains on not just society and the economy, but also on the environment. Our suppliers should be transparent in any decisions or activities that impact the environment and be able to demonstrate this transparency through their management systems. We encourage a focus on continual improvement. This includes seeking more sustainable alternatives for existing needs and integrating sustainability into all existing procurement practices to maximize sustainable outcomes.

Prosperity: Building a Just, Inclusive & Healthy Society

At Materialise, we recognize the important role we play, not just in relation to our workers and the environment, but also to the communities around us and those in which we operate. We are committed to helping create a more just, inclusive, and healthy society. And we are also committed to sharing our know-how, technology and resources to empower meaningful, sustainable change.

Related UNGC Principles

Principle 10	Businesses should work against corruption in all its forms, including extortion and bribery.
--------------	--



SUPPORTING HEALTHCARE

Around the world, healthcare systems influence enormously the well-being of billions of men, women, and children. At Materialise, we have a profound understanding of the critical role these systems play in keeping our communities strong, healthy, and happy. With our 3D expertise, we aim to provide support via a sustainability strategy focused on:

- Getting it right the first time
- Helping patients who have no other options
- Providing solutions for lower income populations

Getting It Right the First Time

Materialise is recognized as a pioneer and world leader in personalized medical devices. These devices include shoulder, hip, knee, osteotomy, and cranio-maxillo facial (CMF) surgical guides and implants all designed and 3D printed based on the anatomical data of the patient. In other words, they are specifically designed to accurately fit.

As one of the first companies to introduce virtual surgical planning and personalized solutions into the operating room, and helping patients and surgeons all over the world, we have seen firsthand the impact personalized medicine can have. By adding more predictability into the surgical setting, it can enable surgeons to get it right the first time, helping to reduce the number and duration of treatments, improving lives, saving costs*, benefitting society and the environment through reduced travel and hospital stays, and freeing up valuable healthcare resources, which can then be redirected to others in need. In total in 2022, we printed more than 50,000 personalized medical devices and implants. By 2025, we aim to be helping 80,000 patients per year.

In 2021, Materialise partnered with the Chinese company Zhenyuan (Tianjin) Medical Appliances Technology to create a new lung cancer planning software: Mimics Enlight 3D Lung. China is the country with the highest cancer-related death rate and a lung cancer rate of more than 35 cases per 100,000 residents.

The new 3D planning software will provide a 3D visualization of the lung and can help thoracic surgeons identify candidates for lung segmentectomies, accurately visualize their patient's unique anatomy, and create a personalized surgical plan to best treat their unique case. By providing an accurate view of the tumor and its surrounding structures that are not visible on CT scans, the software could support the surgeon in safely removing the full tumor (no more, no less) and potentially save more healthy lung tissue. Surgeons in China leveraged our partnered solutions to prepare for more than 6,000 segmentectomy procedures in 1 year. NMPA submission for Mimics Enlight 3D Lung software is currently pending in China.

Lung cancer is the leading cause of cancer-related deaths worldwide, so we're also committed to tackling lung cancer on a much wider scale. That's why we've launched a platform for planning of lung cancer surgery in 2023: Mimics Planner for Thoracic Surgery. In addition, we're also planning on launching a similar service in the US this year.

* Tack P, et al. Do custom 3D-printed revision acetabular implants provide enough value to justify the additional costs? The health-economic comparison of a new porous 3D-printed hip implant for revision arthroplasty of Paprosky type 3B acetabular defects and its closest alternative. Orthop Traumatol Surg Res (2020), <https://doi.org/10.1016/j.otsr.2020.03.012>
L - 103338

Helping Patients Who Have No Other Options

In addition to getting it right the first time, personalized medicine can also allow for the treatment of even the most challenging clinical conditions. With the latest technological developments in both the devices and advanced surgical planning, it can make previously impossible cases, possible, and patients who were denied treatment due to the limitations of standard care, can benefit, even leading in some cases to a drastic improvement in the quality of life.

In 2022, clinical evidence showed the high accuracy of maxilla repositioning through Materialise Personalized Solutions' titanium LeFort I guides and plates without the use of another positioning device, such as a surgical splint. The [study](#) also concluded that a reduction of 30 - 45 minutes in overall surgery was achieved.



In total, in 2022, Materialise printed +6000 personalized surgical implants, an increase of +21% over 2021. Going forward, we aim to make our tools more and more user friendly and accessible to clinicians and surgeons and expand our reach to help more and more patients.

Providing Solutions for Lower Income Populations

Materialise is also focused on making personalized medical solutions more accessible to hospitals and people in developing and more remote areas. 3D printing and technology has a significant role to play in delivering care to lower income groups where standardized care is not sufficient or available, and funding is limited.

In 2022, the Bucoplan Essential product line from the Materialise company, Engimplan, grew by 16% compared to 2021. This product line, with solutions for facial reconstruction, trauma, corrective jaw, and other related surgeries, is adapted from the original Bucoplan product line. The Bucoplan Essential product line aims to provide an affordable solution for the Brazilian public health system while still maintaining high-quality functionality and improving accessibility for citizens in society on lower incomes.

Also in 2022, Materialise expanded its program to bring personalized solutions closer to or at the point-of-care (POC) by continuing to assist with implementing 3D printing services directly in hospitals and medical centers. Having a dedicated facility in-house can expand access to the technology, as well as lower overall costs, making it more affordable. POC services can also support innovation initiatives, reduce lead times, and by eliminating the need for shipping, reduce carbon emissions. At the end of 2022, around 470 hospitals worldwide implemented 3D printing at the point of care using Materialise's software and services — an increase of 4.5% from 2021.

Supporting Healthcare: Materialise Medical Innovations

TYPE OF PRODUCT/SERVICE	MATERIALISE PRODUCT/SERVICE	SUSTAINABILITY BENEFITS
Personalized medical devices	Genius aMace Bucoplan CMF personalized solutions	<ul style="list-style-type: none"> First time right surgery which can lead to fewer revision surgeries and a better patient outcome Reducing the need for multiple implants in the operating room: lowering waste and avoiding resterilisation
Personalized medical instrumentation	Knee guides CMF guides	<ul style="list-style-type: none"> Supply chain optimization: shipping only what's needed and reducing stock in hospital The surgery time can be reduced up to 13 minutes* with knee guides when compared to using only conventional instruments Up to 75% instrument reduction in the operating room
Software for 3D printing at the point of care	Mimics Innovation Suite Mimics Imprint	<ul style="list-style-type: none"> Enabling the production of devices such as anatomical models at or close to the point of care lowering the carbon footprint of transportation Provides people in more remote areas with access to the technology and makes personalization more affordable
Virtual surgical planning	SurgiCase Shoulder Planner SurgiCase Knee Planners Lung Cancer Planning Software	<ul style="list-style-type: none"> Reduces materials stock by not having to always print 3D models Helps surgeons to decide on which device fits best before surgery or intervention, reducing stock in the operating room
Cranial implants with porous structures	Materialise 3D Printed Titanium Implants	<ul style="list-style-type: none"> Provide an optimized design while reducing materials
Virtual patient services	Adam	<ul style="list-style-type: none"> Accelerating R&D and reducing the amount of pre-clinical studies by predicting in vivo performance and safety of a device
Anatomical Models		<ul style="list-style-type: none"> Clearer insights in surgical planning which can lead to reduced time in the operating room, increased patient safety and shorter hospital stays. Using AR or VR digital models can provide a better view on patient anatomy and reduce waste – a physical print is not required
AR capabilities (Augmented Reality)	Mimics Viewer	<ul style="list-style-type: none"> Enhanced viewing possibilities for anatomical models or surgical plans Reduces materials stock by not having to print 3D models

*Pietsch M., Djahani O. et al (2012) Custom-fit minimally invasive total knee arthroplasty: effect on blood loss and early clinical outcomes. Knee Surgery, Sports Traumatology, and Arthroscopy 36.

CHARITABLE ACTIVITIES

A key part of our sustainability program involves supporting NGOs, non-profits, and grassroots initiatives around the world, focusing on projects that engage our people and/or technology to improve lives and empower meaningful, sustainable change. Below are two of our key projects from 2022.

Benin Summer School

One of our long-standing initiatives, created in collaboration with the Foundation Hubi & Vinciane, the Benin Summer School project aims to improve the education levels and employment opportunities for less advantaged teenagers in West Africa by providing them with the opportunity to access higher education scholarships and potentially go on to positions that will enable them to contribute to their communities.

Every year, volunteers from Materialise HQ travel to Benin to provide mentorship to the participants. To date, since the program's inception in 2012, 174 students have participated and 30 have received scholarships.



www.materialise.com/en/impact/people/social-engagement

Ukraine Solidarity

The war in Ukraine heavily impacted Materialise, as we have over 300 colleagues at our office in Kyiv. The devastation and hardship they endured spurred us on to set up a Solidarity Taskforce: a group designed to coordinate and streamline any fundraising initiatives organized by our employees to support our Ukrainian colleagues and their families. A variety of actions followed.

We provided a relocation budget to Wroclaw or Lviv, arranged temporary accommodation, and paid three months' rent in advance or provided lodgings for colleagues forced to flee their homes. We organized an internal fundraising campaign to collect and transport food, clothing, and medical equipment. In addition, our offices in Brazil and Paris, with the help of Engimplan, shipped essential medical devices to Ukraine. They donated several shipments of trauma and CMF implants, screws, and instruments to different hospitals in Lviv.

In parallel, employees across our organization independently set up various events and initiatives to raise money and awareness about Ukraine, with over 25,000 euros donated.



ANTI-CORRUPTION

Materialise has a zero tolerance policy with regards to any form of corruption, extortion, or bribery. Our Supply Chain Policy, as outlined on [page 27](#), requires that our suppliers behave ethically and promote ethical behavior throughout their supply chains. And as mentioned on page 9, our Code of Conduct & Ethics clearly outlines our guidelines for doing business consistent with the highest standards of business ethics. All employees, directors, officers, and consultants are expected to adhere to these standards. Failure to do so will result in appropriate discipline, which may include civil damages, criminal fines, and termination of employment or removal from our board.

The specific areas that our Code covers include, but are not limited to: Conflicts of Interest, Insider Trading, Relationships with Suppliers, Relationships with Customers, Gifts and Entertainment, Financial Reporting, Compliance with Laws and Regulations including Laws Covering Bribery & Kickbacks, and Government Interactions. [Our Code](#) is publicly available and employees can anonymously report any suspected incidences of corruption to the already mentioned hotline. We only contribute to industry/sector associations. Contributions to political parties are not allowed by Belgian legislation.



Partnerships & Certifications: Working together to create a meaningful difference



At Materialise, we believe partnerships are critical to making a meaningful difference, significant change can't be made in isolation, and we collaborate with numerous organizations around the globe to achieve our sustainability objectives.

African Drive

A spin-off of the Benin Summer School, an initiative Materialise and the charity Hubi & Vinciane created to offer mentorship to young West African entrepreneurs, African Drive aims to create positive economic and social impact in countries with poor global infrastructure and few formal economic activities. It is the first B Corp in West Africa. Materialise provides expertise, as well as technological and financial support to African Drive projects.

www.africandrive.be

BACA

Recognizing that organizations have a major role to play in addressing the climate crisis, Materialise was among the first to join the Belgian Alliance for Climate Action (BACA). Formed by WWF and The Shift, BACA serves as a platform and support for companies that are serious about their climate ambitions and champions the setting of 'science-based' targets to reduce greenhouse gas emissions.

www.belgianallianceforclimateaction.org

AMGTA

Not long after the Additive Manufacturer Green Trade Association (AMGTA) launched in 2019, Materialise joined as a participating member. The AMGTA is a non-commercial, unaffiliated organization open to any additive manufacturer or industry stakeholder that meets certain criteria relating to sustainability of production or process, and aims to promote the environmental benefits of AM over traditional methods of manufacturing.

www.amgta.org

B Corp

In 2020, Materialise began its journey towards B Corp certification with two in-house B Leaders. After completing the initial prescreen process, we changed our company Articles of Association to lock our company mission and ensure all stakeholders are considered. Certified B Corporations are businesses that meet the highest standards of verified social and environmental performance, public transparency, and legal accountability to balance profit and purpose.

www.bcorporation.net

EcoVadis



EcoVadis is a universal sustainability ratings provider, creating a global network of more than 100,000 rated companies. Materialise joined the EcoVadis platform in 2017. Our most recent score awarded us a Bronze medal in April 2022, putting us in the 69th percentile of all companies ranked. Our results for 2023 are pending and expected by the end of the first half of 2023.

www.ecovadis.com

Leuven 2030



Materialise is a supporting member of Leuven 2030. Leuven 2030 is a non-profit organization focused on creating a climate-neutral future for the city of Leuven, Belgium where Materialise HQ is located. With similar ambitions, we regularly work together, sharing knowledge and serving as sparring partners.

www.leuven2030.be

Hubi & Vinciane



One of the official charities of choice of Materialise, Hubi & Vinciane partnered with Materialise to create the Benin Summer School project which provides mentorship to young West African entrepreneurs, as well as university scholarships and support for initiatives that stimulate the local economy and social progress.

www.hubi-vinciane.be

The Shift



Materialise has been a member of The Shift since 2017. Originally the local chapter of the UN Global Compact, The Shift today is the Belgian meeting point for sustainability, and in collaboration with its members and partners, aims to bring about the transition towards a more sustainable society and economy.

www.theshift.be

KU Leuven University



Materialise has a long-standing relationship with KU Leuven university, including collaborating on numerous projects such as our first Carbon Footprint Assessments. KU Leuven is the largest university in Benelux.

www.kuleuven.be

SIGN Fracture Care



The official charity of choice of our US office, SIGN gives the injured poor access to fracture surgery by donating orthopaedic education and implant systems to surgeons in developing countries.

www.signfracturecare.org

South Pole



In 2022, Materialise collaborated with South Pole on sustainability focused research, specifically a life cycle assessment (LCA). For further details, please see page 35. South Pole develops and implements comprehensive emission reduction projects and strategies that turn climate action into long-term business opportunities for companies, governments and organisations around the world.

www.southpole.com

Sustenuto



In 2022, Materialise continued its collaboration with Sustenuto by developing a materiality matrix and a sustainability roadmap. Sustenuto specializes in helping companies integrate sustainability into the core of their organizations, products, and brands.

www.sustenuto.com

Top Employers Institute



In January 2022, for the third consecutive year, Materialise became one of only 87 companies in Belgium to receive 'Top Employer' certification, awarded by the Top Employers Institute. The Top Employers Institute is considered the global authority on recognizing excellence in people practices.

www.top-employers.com



2022 Highlights

February

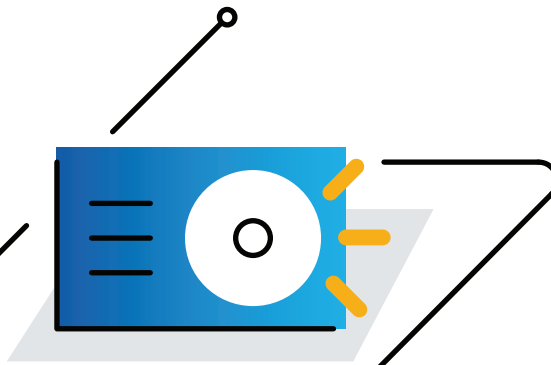
Approval of the sustainability roadmap by the Directors Committee, an ambitious plan listing our short- and long-term targets for a sustainable business.

Supported our Benin Summer School project with Radio Connect – our annual radio marathon that connects our colleagues globally.



January

Updated our sustainability ambassador program, allowing ambassadors to officially spend up to 10% of their time on any sustainability project.



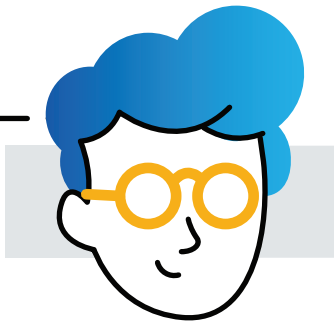
March

Filed our fifth Sustainability Report/COP and reconfirmed our support of the UN Global Compact.

Planted 300 biodiverse florals at Materialise HQ in spring, along with several small trees and bushes at our Polish facility and 12 fruit trees at our Czech office.

May

Awarded three sustainability accolades by the Additive Manufacturer Green Trade Association (AMGTA) at their annual summit.



April

Advanced sustainable eyewear by adding PA 11 — a 100% bio-based polymer made from sustainably farmed castor beans — to our materials catalog.

Organized the Mass Personalization Summit, a digital event for the medical device industry, discussing how to make personalization scalable in healthcare.



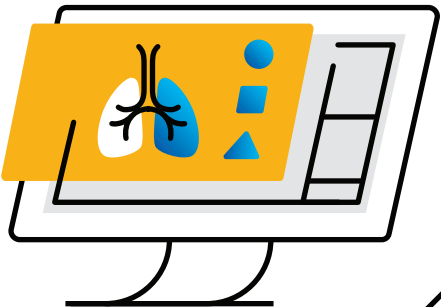
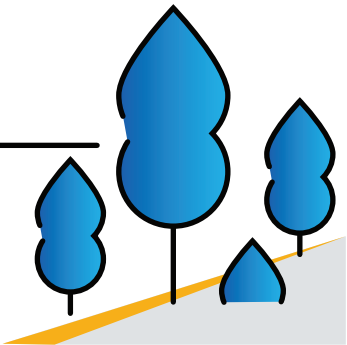
June

Collaborated with Arkema to recycle polyamide waste powder into pellets for injection molding.

July – August

Validated our roadmap externally with a diverse group of stakeholders.

Awarded a bronze medal by EcoVadis for our sustainability activities, placing us within the top 50% of the companies they rate.



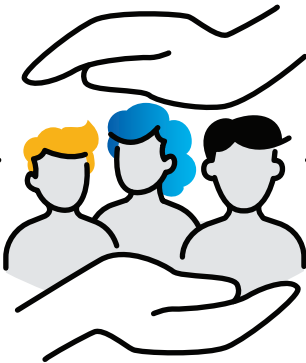
September

Partnered with Zhenyuan (Tianjin) Medical Appliances Technology to create a new lung cancer planning software for thoracic surgery: Mimics Enlight 3D Lung, which is currently undergoing NMPA submission in China.

Conducted our second employee engagement survey with strong results related to employee engagement (7.4), employer net promotor score (up from 1.0 to 4.1), and purpose and mission scores, particularly on employee-company alignment (7.6).

October

Introduced our sustainability strategy to our employees via Sustainability Day, an initiative that encouraged and empowered our offices worldwide to take practical steps to enable sustainability in their work environments.





November – December

Invested in the health and well-being of our people by rolling out an employee assistance program (EAP), a user-friendly platform that connects professionals with employees that need support.

2023 Objectives

For 2022, we will continue to build on the foundation that was laid in preceding years and put further focus on our new longer-term 2025 objective, 'Empowering the Choice for Sustainability.'

In this context, our 2023 Objectives include but are not limited to:

-  Execute the program to reach the targets defined in our sustainability roadmap.
-  Integrate diversity recruiting in our talent acquisition training for all recruiting managers.
-  Submit our Science Based Targets for validation with the Science Based Targets initiative (SBTi).
-  Conduct our yearly carbon footprint assessment and achieve a 45% reduction towards our 2019 baseline.
-  Continue to invest in sustainability research, specifically life cycle assessments.
-  Renew our Top Employer certification for our HQ and the Great Place to Work certification awarded to our office in Malaysia.
-  Prepare for the new EU sustainability standards.



Empowering
the Choice for Sustainability

2022 Sustainability Report

Communication on Progress (COP)

For more information, please contact us at:
sustainability@materialise.com

© Copyright Materialise 2023. Materialise, the Materialise logo, Magics, CO-AM, Mimics, and many other names for our services and software solutions mentioned in this report are trademarks of Materialise NV.

For more information about the intended use of the medical devices marketed by Materialise, please refer to our [website](#) and to the instructions for use of our medical devices.