



# victrex

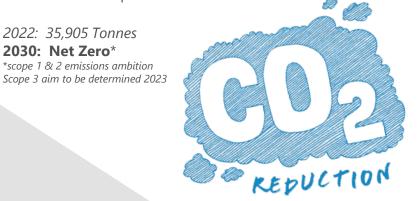
# **SOCIAL**

# **ENVIRONMENT**

### **AMBITION FOR NET ZERO CARBON EMISSIONS\***

Minimise use of resources (energy, waste, water) used in our own operations

2022: 35,905 Tonnes 2030: Net Zero\* \*scope 1 & 2 emissions ambition



#### **2030 SUSTAINABILITY VISION**

WE BRING TRANSFORMATIONAL & SUSTAINABLE **SOLUTIONS THAT ADDRESS WORLD MATERIAL CHALLENGES EVERY DAY** 

#### **STEM INSPIRATION**

Science, Technology, **Engineering & Maths** 

*Inspire the next generation:* increase annual contacts reached

> 2022: 3,225 Goal: 2,500

### HAVE A POSITIVE IMPACT ON THE **COMMUNITIES WHERE WE WORK**



#### **COMMUNITY ACTVITIY**

Maintain strong community engagement (cumulative hours target)

> 2022: 10.913 Goal: 10,000



#### **FEMALES IN LEADERSHIP**

Enhance diversity, equity & inclusion

2022: 19%

2030 goal: 40%

#### **SUSTAINABLE SOLUTIONS**

**ENABLE ENVIRONMENTAL** & SOCIETAL BENEFITS











Develop and deliver sustainable polymer solutions that provide environmental and societal benefits evidenced by data

2022: 48% of revenue

2030: Goal of 70% of revenue

### **GOVERNANCE**

**ESG** Centre of Excellence

- Increase disclosures and reporting
- Further validation of ESG strategy

**Sustainability Strategy** 

Signed up to SBTi Targets





















Good progress towards achieving a Zero accident & Zero incident culture

**Recordable Frequency Injury Rate**  Current: 0.2

0.0 Goal:

- Goal of carbon net zero emissions by 2030 (Scope 1 & 2 emissions)
  - Increase the use of our sustainable & recyclable products which support CO<sub>2</sub> reduction Minimise resources (Carbon, Waste and Water) used in our operations
- Increase employee and community engagement on social responsibility



# STRONG SUSTAINABILITY PROGRESS

**Key achievements for FY 2022** 



#### **RESOURCE EFFICIENCY**

- 100% of UK electricity from renewable sources
- 48% less waste per unit of revenue since 2013 & decreased water by 5% per revenue unit since 2018
- Life Cycle Analysis (LCA) & scope 3 emissions inventory completed



#### SUSTAINABLE SOLUTIONS

- 48% of revenues from sustainable products (products offering a quantifiable environmental or societal benefit) and growing
- 89% of R&D project investment focused on sustainable products



#### **SOCIAL RESPONSIBILITY**

- 19% Females in Leadership, up from 10% 2021
- Good progress towards a Zero accident & Zero incident culture, Victrex RIFR (recordable injury frequency rate) 0.2 vs OSHA industry average 1.4.
- 34% increase and record numbers of employee volunteering in community events.



### SUSTAINABLE SOLUTIONS

# **ENABLING ENVIRONMENTAL**& SOCIETAL BENEFIT FOR OUR CUSTOMERS



**AEROSPACE** 

# 3x CO2 saving

... annual sales to Aerospace helps save 3x  $CO_2$  saving vs. Victrex scope 1 & 2  $CO_2$ emissions\*



**AUTOMOTIVE** 

## **80,000 tonnes**

... annual CO<sub>2</sub> saving in Europe for selected applications\*\*



**ELECTRONICS** 

# 100,000rpm

Supporting energy efficiency, durability & reliability at high rotation speeds in vacuum cleaners & hairdryers



ENERGY & INDUSTRIAL

# **Up to 80%**

... lighter vs. metal for wind energy applications using VICTREX™ PEEK



MEDICAL

# 25% improved brain function

... using PEEK-OPTIMA™ Natural in CMF skull plates\*\*\* vs. metal plates

### >90% union rate

Using carbon fibre PEEK trauma plate vs. 64% union rate for steel plates\*\*\*

Sustainable products are defined as those which offer a quantifiable environmental or societal benefits.

- Based on 10kg of PEEK replacement for metal, IATA carbon reduction & climate change 2018
- \*\* Based on European annual mileage for passenger cars using PWC report 2021
- \*\* Data on file, refers to Trauma outcomes in high-risk patients. 25% improved brain function based on paper by Zhang Q, Yuan Y, Li X, et al, World Neurosurgeon 2018



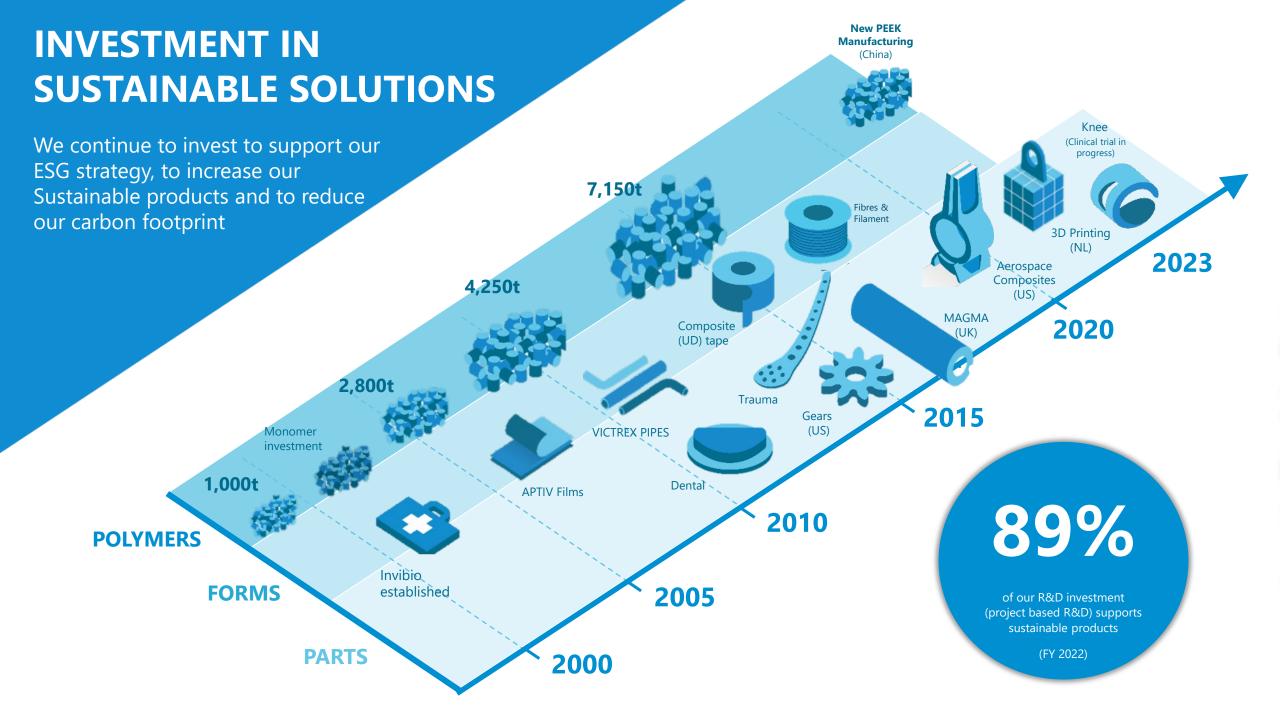




# 25% improved brain function

using Invibio's PEEK-OPTIMA™ in CMF (cranio-maxillofacial) skull plates\*



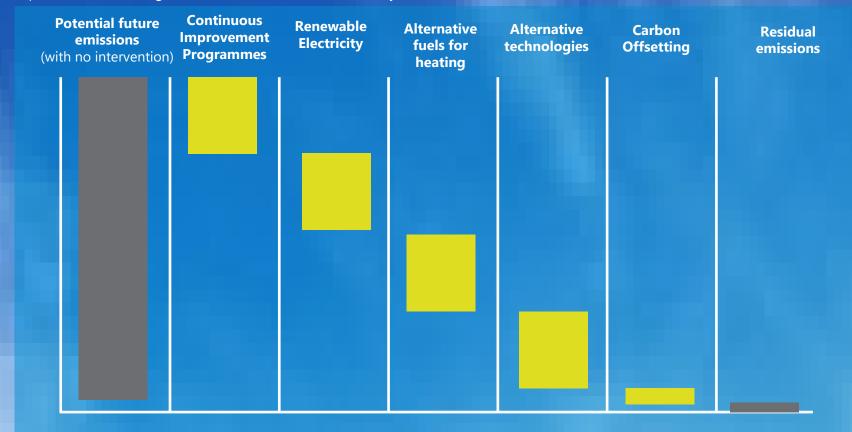


# VICTREX PATH TO CARBON REDUCTION

# Our Net Zero ambition is centred on reducing climate impacts from our own operations

# **Our aspiration**

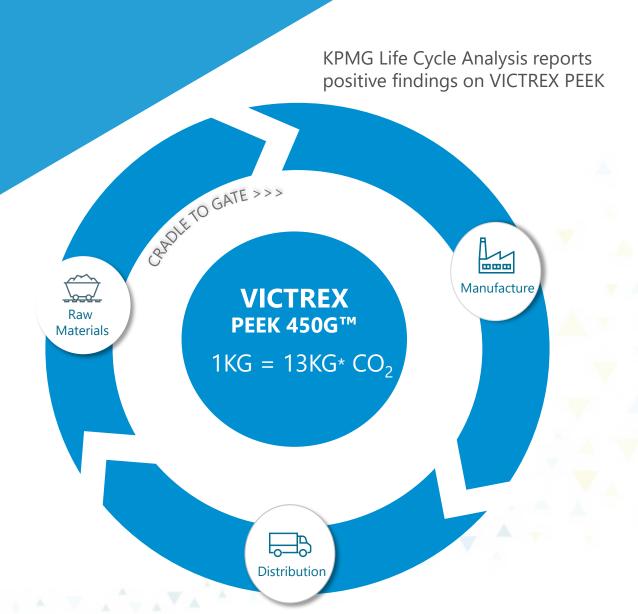
In 2020, we established our Net Zero aspiration for 2030 for our own operations (scope 1 & 2 emissions). We continue to assess options and the potential to deliver this aspiration, whilst noting consideration for external factors beyond our control



# LIFE CYCLE ANALYSIS



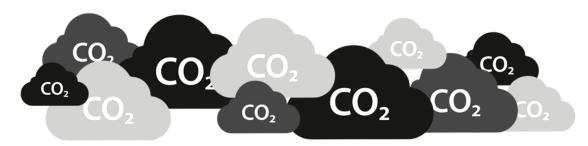
VICTREX PEEK has lower global warming potential (GWP) than industry standard PEEK\*

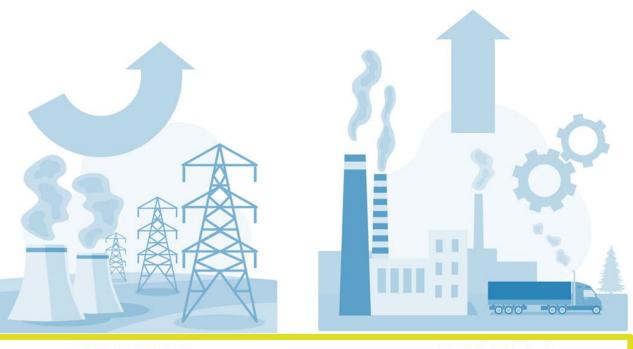


\*Based on KPMG Life cycle analysis report with Victrex UK produced BDF. Victrex PEEK 450g 13kgCO2/kg of PEEK vs industry standard 15.6kgCO2/kg of PEEK (GaBi materials database)

# **SCOPE 1, 2 & 3**

The different levels of 'Scope'





SCOPE 2
INDIRECT
EMISSIONS FROM
ENERGY USED

SCOPE 1
DIRECT
EMISSIONS FROM
SOURCES (ON SITE)

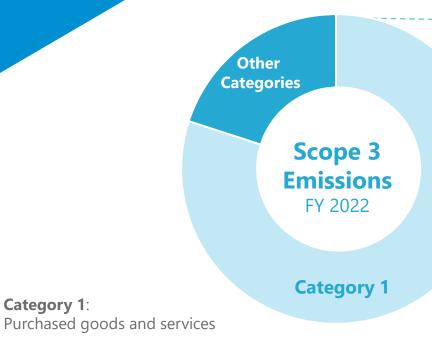


SCOPE 3
INDIRECT
EMISSIONS OF THE
SUPPLY CHAIN OR SERVICE

THINGS WE CAN DIRECTLY CONTROL

# **SCOPE 3 EMISSIONS ASSESSMENT**

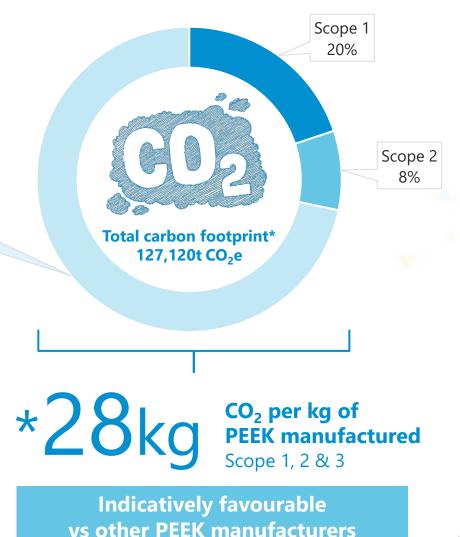
Victrex PEEK is indicatively favourable vs other PEEK manufacturers for its carbon emissions across all scopes



#### Other categories:

Category 1:

Capital goods, fuel & energy (outside scope 1&2), upstream transportation, waste generation, business travel, employee commuting and investments



Scope 3

72%

vs other PEEK manufacturers

NOTE: Scope 1 & 2 only = 8kg CO<sub>2</sub> per kg of PEEK manufactured.





# **ACCREDITATIONS** & PARTNERSHIPS

External recognition of how Victrex enables environmental & societal benefits



Ranked in top 5% of companies



Climate change assessment



Commitment to the sciencebased emission reduction targets



Inclusion in FTSE Russell
Green Revenues Index



Committed to an ethical and sustainable supply chain



Victrex one of Europe's climate leaders



The most widely adopted Automotive Supplier Assurance standard



Committed to Apple's Supplier Clean Energy program



A key ESG rating agency for investors & listed companies A Rating









# **SOCIAL RESPONSIBILITY**

Inspiring our employees & communities to positively impact our ESG goals



# Inspire the next generation in STEM\* education

# TARGET 2,500 contacts with young people 3,225 2022

- Develop our network of social responsibility ambassadors and support community initiatives through collaboration with education community partners
- Examples include 52 STEM ambassadors, apprenticeship week, UK enterprise advisor programme.

\*Science, Technology, Engineering & Maths



# **Employees devoted to community activity**

TARGET: 10,000 accumulative hours devoted to community activity 10,913 in 2022

- Global, employee-led charity and community teams support their local communities aimed at social mobility and giving back
- Examples include Foodbank donations, litter picks, fundraising events e.g. Movember and coffee mornings.



# Drive forward Diversity, Equity & Inclusion

# **TARGET 40% Females in leadership** *19% in 2022*

- Foster an inclusive culture through mentoring, reverse mentoring, training and Employee Resource Groups (ERG)
- Diversity data collection & reporting
- Review policy & procedures including performance management, talent and recruitment



# OUR EMPLOYEES PLAY AN INTEGRAL ROLE IN DELIVERING OUR SUSTAINABILITY STRATEGY



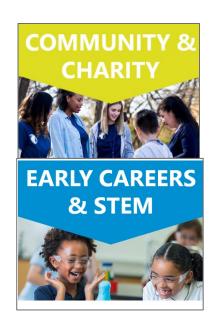
Advocating our sustainability agenda to key stakeholders, including customers, suppliers and investors



Playing their part to reduce waste, save energy and resources.



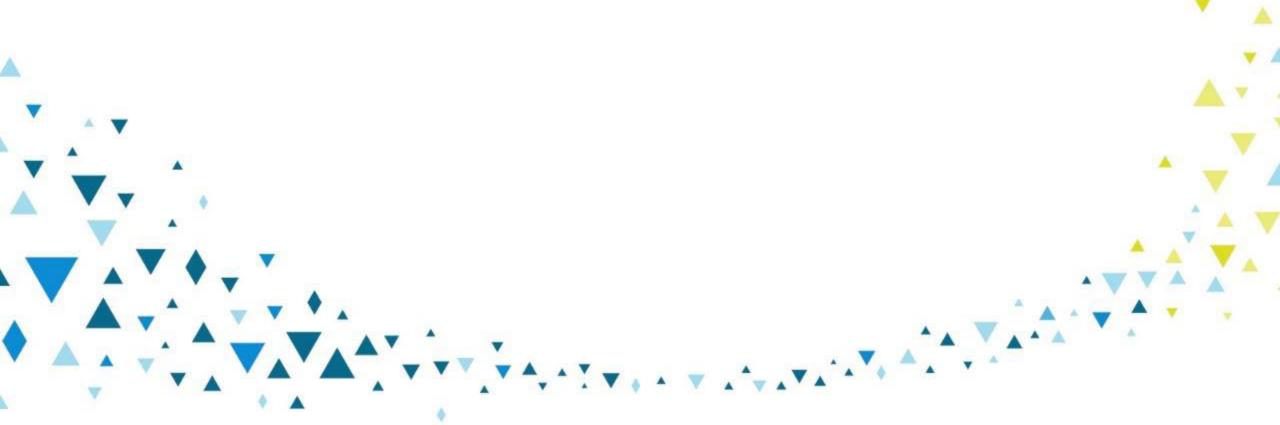
Championing Victrex behaviours, and getting involved in employee resource groups.



Supporting STEM, Community & charity events



# **APPENDIX**





# **ACCELERATING THE REDUCTION** OF CO2 EMISSIONS IN THE SKY

IN THE POST COVID WORLD

39,000+

new planes to enter service by 20401

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of the new planes to enter service are single-aisle planes for short-mid haul flights2

60% LIGHTER

WHAT IF WE

PEEK composites can replace metal parts and be up to 60% lighter with higher specific strength<sup>6</sup>

Unlike the B787 and A350s,

Single-aisle planes are made mostly out of METAL3

VICTREX

AEROSPACE

SOLUTIONS

>2M TONNES CO2 SAVED with VICTREX PEEK solutions so far (2003 -)

of all new single-aisle planes

with PEEK composites?

53M

Potential saving of 53 million tonnes of CO<sub>2</sub>\* in 15 years if all of these new single-aisle planes could be made from 50% PEEK composites4



2.6 billion CO2 reduction required in the aviation industry by CORSIA\* between 2021 -20355

Clean Sku2 VICTREX IS PART OF THE

CLEAN SKY Z PROGRAM, PARTNERING WITH MAJOR AIRFRAMER TO CO-DEVELOP LARGE PRIMARY/SECONDARY STRUCTURE WITH PEEK COMPOSITES



# MINUTES VS. HOURS\*

PEEK composites also speeds-up the parts manufacturing process helping airframers reduce backlogs7

# ECONOMY **ECONOMY** PASSENGER NAME DOE/JOHN, MR. MANCHESTER

HAVE A NICE TRIP!

28A

BAG 1PCS21KG



**SUSTAINABILITY** 

Victrex has been awarded a Gold medal of the Ecovadis Sustainability Rating



### **HIGHLIGHTS**

Amongst all companies rated by Ecovadis in the 'Manufacture of basic chemicals, fertilizers & nitrogen compounds, plastics and synthetic rubbery in primary forms industry' sector, Victrex positioned:

Top **5%: Overall score** Top **6%: Environment** 

#### Overall score distribution

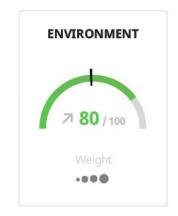


# ecovadis

EcoVadis is the world's most trusted provider of business sustainability ratings

- 100,000+ Companies assessed
- 200+ Sectors
- 175+ Countries











- Victrex has a Corrective action plan in place, working on improving the sustainability management system.
- Full report is available upon request (next review October 2023)

Ecovadis website, as December 2022

#### **MODERN SLAVERY** Established policies & processes A Zero Tolerance Approach which emphasise the prevention, detection & reporting of slavery & human trafficking Modern Slavery & Anti-Human Trafficking **Policies** Supply chain risk management **Supply Chain Employee** Recruitment processes in place register is maintained Risk Recruitment Management to adhere to legal, regulatory considering geographical & **Processes** and ethical standards. industry sector factors **ZERO TOLERANCE to MODERN SLAVERY** Communicates Victrex expectations Mandatory, general annual Our Global Code of Conduct **Supplier Employee** of suppliers in line with our values training for all employees. Standards underpins how we do Training and legislation, which suppliers Handbook business ourselves and in our must acknowledge and accept. Ongoing, specialist training communities making clear for supplier-facing teams that we have zero-tolerance for modern slavery. Global **Established** All vendors must acceptably pass Whistle-**Supplier due** due diligence in order to become blowing Employees are encouraged to diligence **Policy** a Victrex approved supplier raise any concerns to adhere to the highest ethical, moral and Measuring legal conduct **Effectiveness** Established KPIs to measure the effectiveness of our rolling supplier

audit and compliance programme

# DRIVE FORWARD DIVERSITY, EQUITY & INCLUSION



Retention

#### **AIMS**

 Achieve 40% women in leadership by 2030

- Positive Employee Survey trends
- Increase representation of women in Victrex

Recruitment

 Achieve annual appointments from under-represented populations for external hires, including apprentices, & graduates

### **FOCUSED INTERVENTIONS**

- Gender based coach or mentoring
- Focussed DEI training
- Positive action approach for appointments
- Diversity data collection
- Established ERGs (Employee resource groups), e.g. gender, race, disability
- Policy updates e.g. Flexible working
- "Diversity lens" for people processes e.g. Talent management, recognition
- New methods, systems & processes for candidate attraction
- Recruitment considers under-represented populations (gender, age, ethnicity, disability) as part of short-lists
- All job advertisements promote Victrex as an equal opportunities employer





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