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12. Uluslararası Döküm Kongresi **12th International Foundry Congress**



«Sürdürülebilir Döküm Endüstrisi İçin Yol Haritası»
«The Roadmap for a Sustainable Foundry Industry»

Morten BECHLUND
(Norican Group)

Açılış Oturumu / Opening Session
Oturum Başkanı / Session Chairman: Hakan GÜLDAĞ
(Nasıl Bir Ekonomi)



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 **Monitizer**

2 Connected foundry processes

1. Green Sand Process



2. Die Casting Process

About sustainability

Why is sustainability important?

Protecting the future

Immediate, large-scale emissions reductions will help limit temperature rises to no more than 1.5°C as agreed by global leaders in Paris in 2015.

Part of the problem – or part of the solution?



Reporting

Monitoring, measuring and reducing GHG emissions will be mandatory in the EU within the next few years.

Customers are demanding CO2 reductions or even CO2 neutral

Sustainability reporting will no longer be “nice to have” but an essential part of running a business.



Sustainability reporting in the EU

- To work in or with the EU, you'll soon have to report on your sustainability emissions as part of the Corporate Social Responsibility Directive (CSRD)

What is it?

- Legal requirement: emission monitoring, sustainable business models and plan for emission reduction strategy
- Independent auditors will check emissions data

Who?

- Organizations with either a net turnover of EUR 40 million, 250 employees, or a EUR 20 million balance sheet.
- If not our customers, then customers customers

... soon to be a price of admission to do business



Science based targets

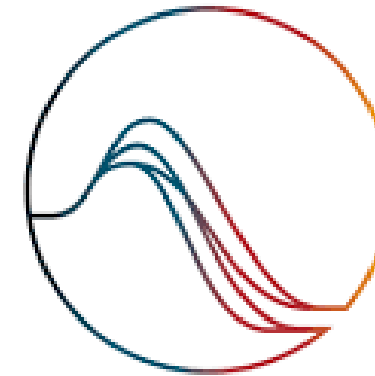
What it means & what's next

Norican has signed up for Science Based Targets. What are they?

SBT Defines and promotes best practice in emissions reductions and net-zero targets in line with climate science to meet the goals of the Paris Agreement: *to limit global warming to well below 2°C above pre-industrial levels, and pursue efforts to limit warming to 1.5°C*

The SBTi

- Public global commitment to reduce emissions
- Technical assistance and expert resources
- Independent assessment
- Follows CSRD



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Our commitment

Scope 1 & 2

... to reduce GHG emissions
by **50.4% by 2032**

(from a 2021 base year)

... **25%** of its suppliers by emissions covering purchased goods and services, capital goods, upstream transportation and distribution, waste generated in operations, and business travel will have science-based targets by 2027.

Scope 3

... **70%** its customers by emissions covering use of sold products, will have science-based targets within the same timeframe.

Scope 1:

Direct Greenhouse Gases (GHG) emissions from sources the company owns or controls, for example, foundry furnaces.

Scope 2:

Indirect GHG emissions from generating electricity, steam, heat, and cooling consumed by the reporting company.

Scope 3:

Indirect GHG emissions from a company's customers and suppliers. For Norican, it is our customers' use of Norican's products and services.

From a customer perspective

”Sustainability is as important as safety to Volvo Cars. We have ambitious goals to be a climate neutral and circular business by 2040, as well as a leader in ethical and responsible business. We need like-minded suppliers to help reach these goals”

Stuart Templar, Director, Global Sustainability at Volvo

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“Customer interest in emissions has increased hugely, even in the last six months. Our own sustainability initiatives began some years ago but now we are definitely being driven by our customers. We plan to commit to Science Based Targets in the near future.”

Luke Batter, Process Development Manager at MAT Group.

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Group level – global customers signed up to SBTi



5511
with science-based targets



Mercedes-Benz



8380
companies taking action



3250
net-zero commitments



Volkswagen



Productivity

DISCOVER ensures accurate data for advanced analytics and quality checks. Data insights can boost efficiency and reduce waste by minimizing errors and unnecessary processes.

Energy consumption

DISCOVER can visualize how much electricity a machine uses – and when – can instantly tell you where to save money. Real-time tracking and reporting reveals patterns in energy consumption and identifies causes of inefficiency.

Quality

PRESCRIBE's utilizes AI technology to analyze process and recommends real-time changes. Tailored to your processes, this tool guides foundries towards the leanest, most sustainable and profitable operation, with scrap and related emissions reductions by on average 40%.



“One of our foundries used Monitizer’s information to cut scrap by 50% by reducing sand inclusions,” says Susan. “The five foundries that are live with Monitizer have all have seen scrap reductions. Those are big quick wins that have a direct impact on our bottom line.”

Susan Bear, Chief Technology Officer 

For more info visit: www.monitizerdigital.com/en-gb/new-at-monitizer

