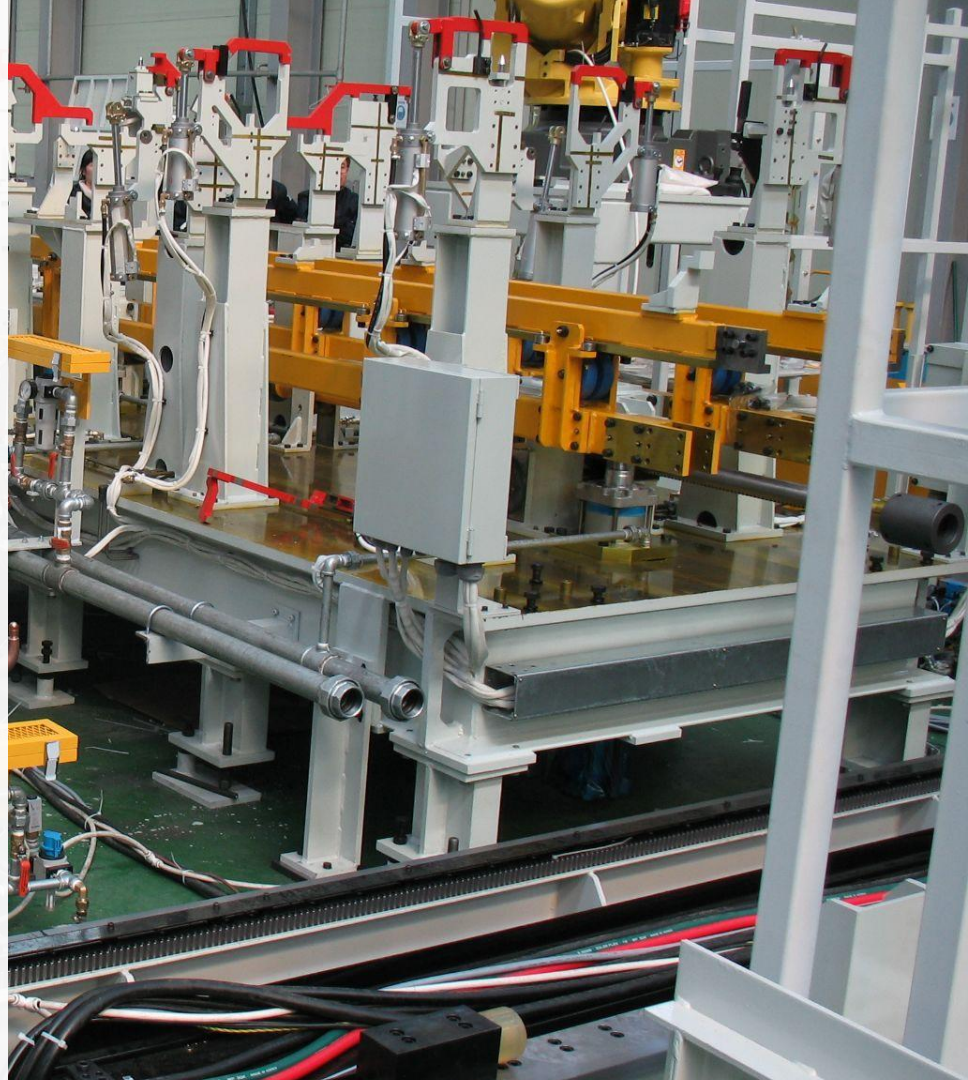




**Cut energy costs,
boost sustainability**

wenerate.com

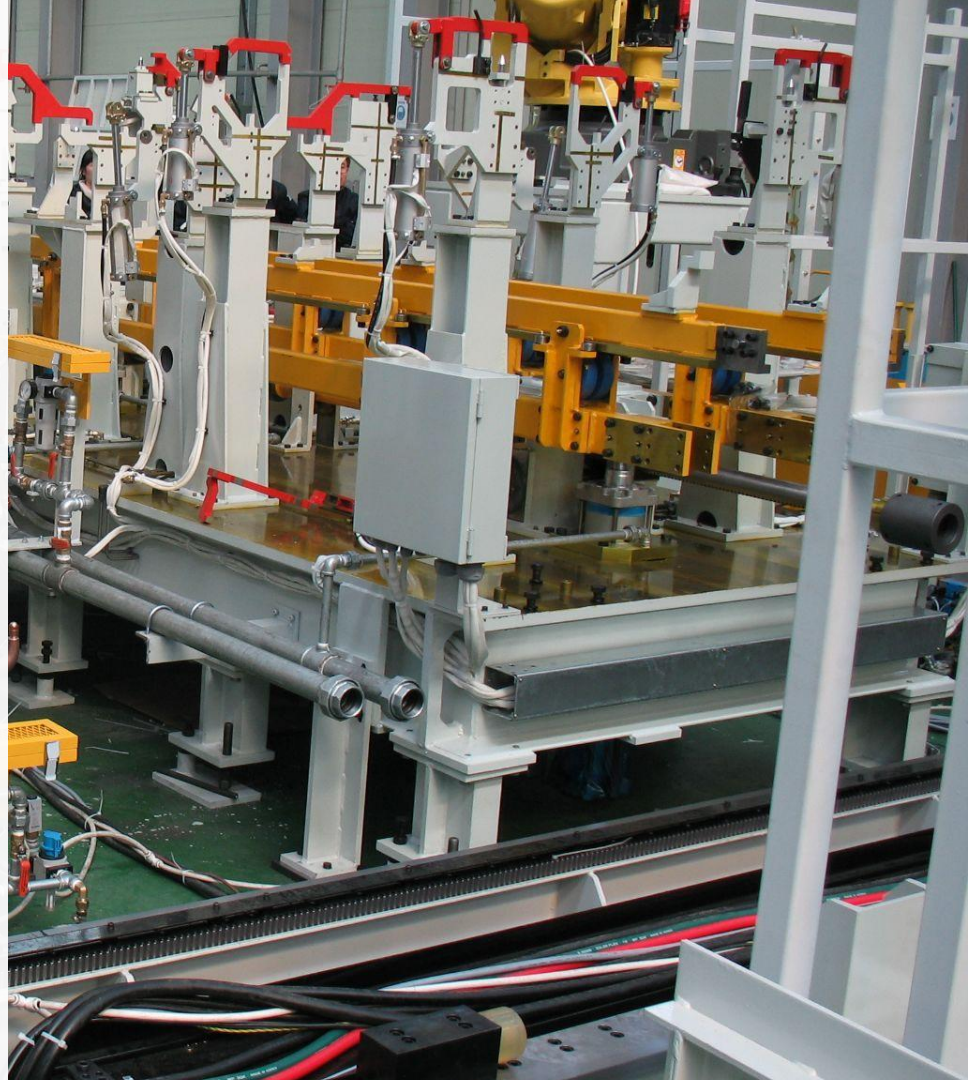




**is an automated energy
management platform,**

**that provides the user with continuous
machine monitoring, real-time
feedback and savings suggestions by
analyzing measurement point data for
manufacturing companies.**

wenerate.com

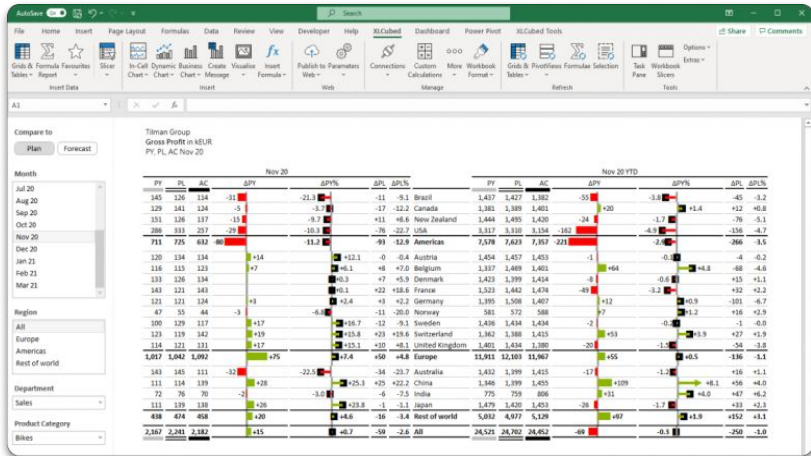


Current state



Most manufacturers needed information on their energy consumption, so they invested in large numbers of submeters.

Current state



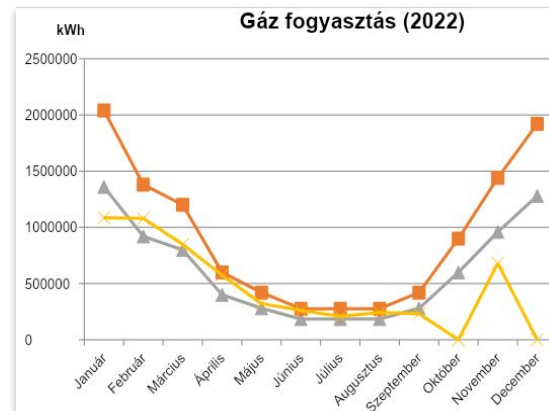
Large volume of valuable data

Almost impossible to understand, draw conclusions and very labour intensive

Gázzsámlák (2023)

Hó	Fogyasztás	Korrigált fogy.	Fűtőérték	GJ	Fogyasztás kWh	Egységár	HUF/EUR/MWh/h/hó
Január	103929.00	103,929.00	10.00	2351.073	1,085,310.7		
Február	102871.00	102,871.00	10.00	2339.71928	1,080,069.8		
Március	81187.00	81,187.00	10.00	1838.58337	848,733.62		
Április	54501.00	54,501.00	10.00	1243.29129	573,932.70		
Május	30534.00	30,534.00	10.00	697.879389	322,157.65		
Június	24572.00	24,572.00	10.00	564.402093	260,541.37		
Július	19581.00	19,581.00	10.00	675.457990	207,586.87		
Augusztus	22553.00	22,553.00	10.00	791.046607	243,110.44		
Szeptember	21986.00	21,986.00	10.00	757.635189	232,842.19		
Október	56820.00	56,820.00	10.00	0	0		
November	53908.00	53,908.00	11.20	2213.87300	680,508.15		
December					0		

Gáz fogyasztás (2022)



Opportunities



Monitoring

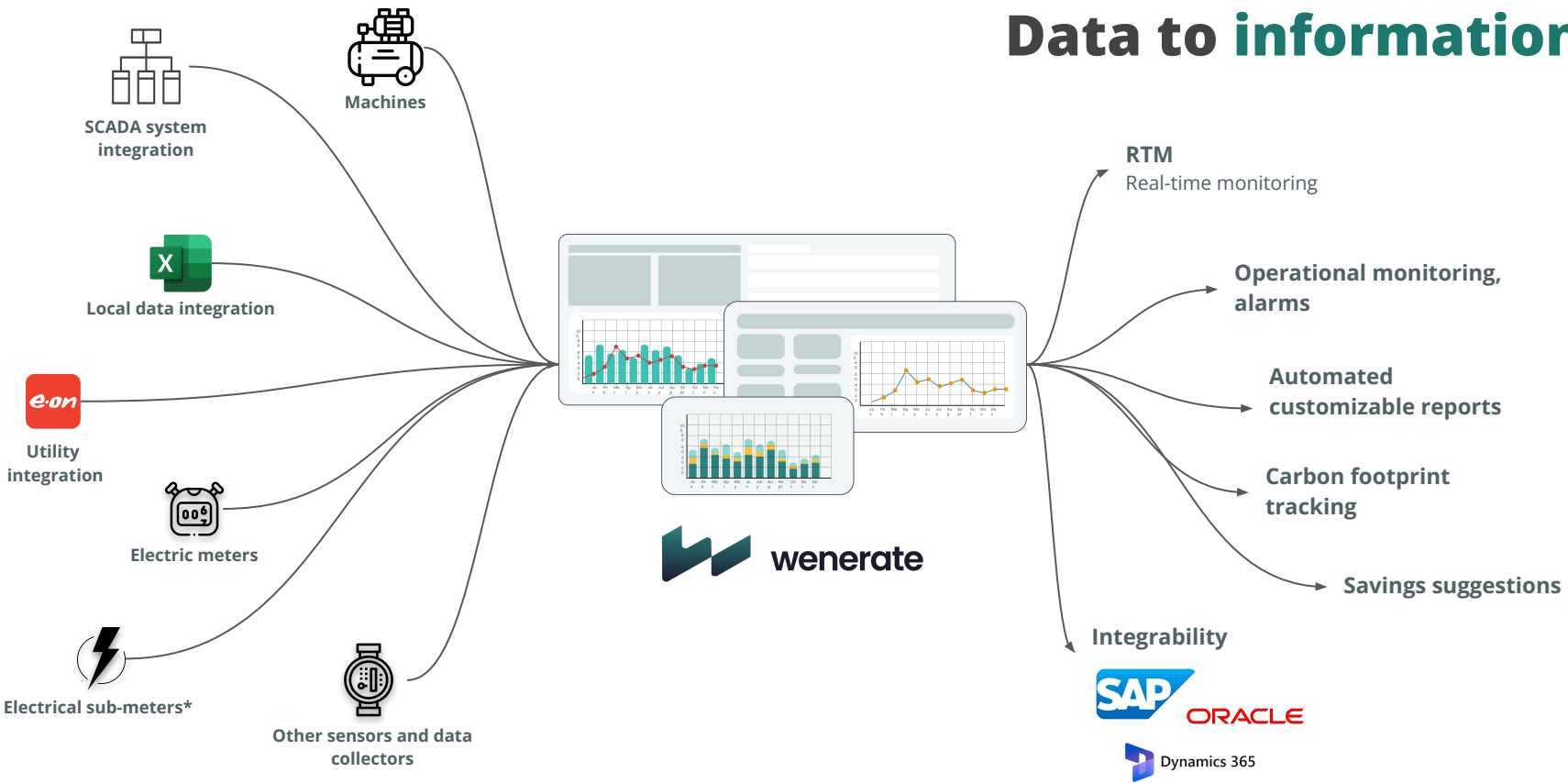


**Energy-
management**



Sustainability

Data to information



Wenerate is an automated energy management platform that provides the user with continuous machine monitoring, real-time feedback and savings suggestions by analyzing measurement point data for manufacturing companies.

Requirements

Turns data into information

Has to provide real time feedback

Has to give accurate forecasts

It should support adaptation to new regulators

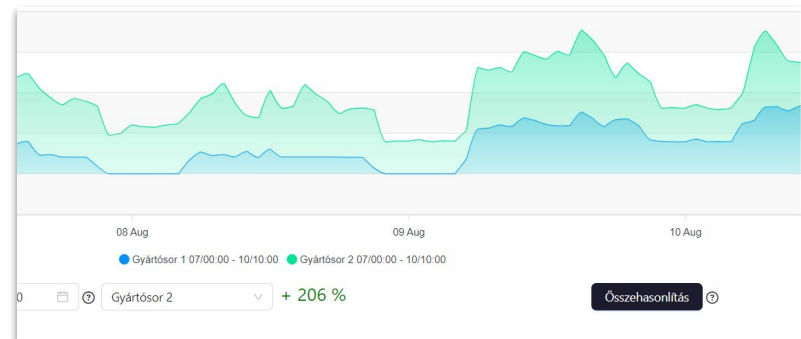
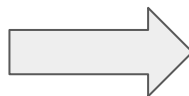
e.g. ESG

Contribute to the use of fundraising opportunities



Consumption monitoring

Gázzámlák (2023)							
Hó	Fogyasztás	Korrigált fogy.	Fűtőérték	GJ	Fogyasztás kWh	Egységár	HUF/EUR/MWh/h ó
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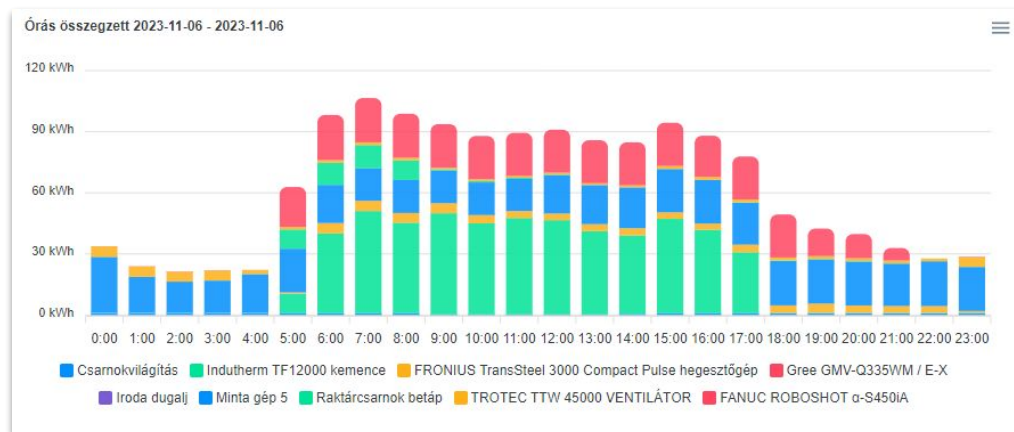


Consumption analysis

In a dynamic, easy to understand system individually or by machine groups

Automated reporting

Automatic generation of periodic customizable reports: consumption, emissions (CO2 footprint), cost, product volume*



Machine monitoring

Machine data sheet
Pump
Type: Pump
Location:

Inspection settings Edit Delete

Parameters

Rated voltage	230 V
Rated power	50 kW
Speed controller	No

Images

You can upload images of the machine, which can make it easier to track and identify, allowing for more efficient operation and maintenance.

+ New event Event log

Scheduled maintenance 2023/08/21 15:23

Maintenance by contractor.

Tervezett munkaidőtől eltérő üzem 2023/08/12 08:00

Tervezett munkaidőtől eltérő üzem 2023/08/10 08:00

Maintenance and custom events

Management of machine logs, periodic warnings

Individual notifications, limit value monitoring

Alarm above reserved power, in case of low and overvoltage, indication of suspected failures

! Operation outside planned working hours

The following machine was operating outside of scheduled working hours: **TROTEC TTW 45000**

The observed operation occurred at approximately this time: **2024/01/24 02:40**


The recorded power was 4724.40 Watt.

! Data drop

The system didn't receive any measurements in the past 6 hours for the following devices:

[Csarnokvilágítás](#), [TROTEC TTW 45000 VENTILÁTOR](#), [Hőkezelés](#), [Hőkezelés](#), [Gree GMV-Q335WM / E-X](#), [Raktárcsarnok betáp](#),
[Iroda dugalj](#), [Indutherm TF12000 kemence](#), [Softli](#), [Teszt Wenerate](#).

Use Case



Áttekintés

FUNKCIÓK

- Energiamenedzment
- Széndioxid-gazdálkodás
- Pályázatok
- Jogi megfelelés

KEZELÉS

- Telephelyek
- Mérési pontok

Időintervallum: 2023-03-06 15:45:00 → 2023-03-07 06:45:00

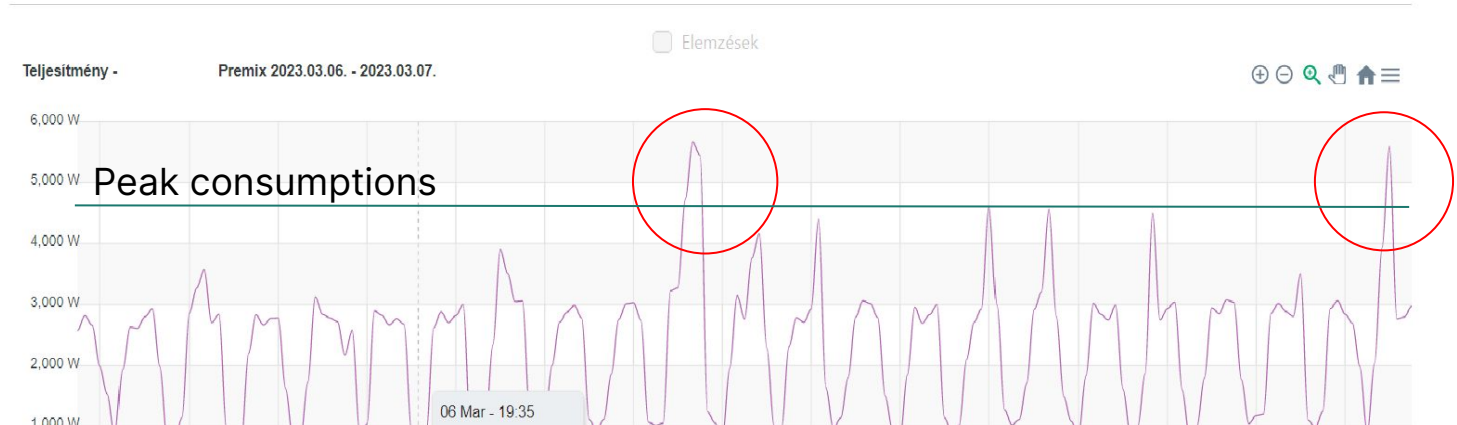
Felbontás: **5 perces** Órás Napi / Heti / Havi

Eszközcsoport: Premix

Lekérés

- Teljesítmény
- Gyártásvizsgálat
- Szinkron
- Összehasonlítás
- Meddő teljesítmény
- Statisztika
- Feszültség

Gépek teljesítményeinek összegzése



The faulty compressor was costing more than 1800 € extra yearly

Energy management and sustainability

Automatic CO2 reports

Automatic generation of periodic Co2 statements for individual product groups

Technical modernisation

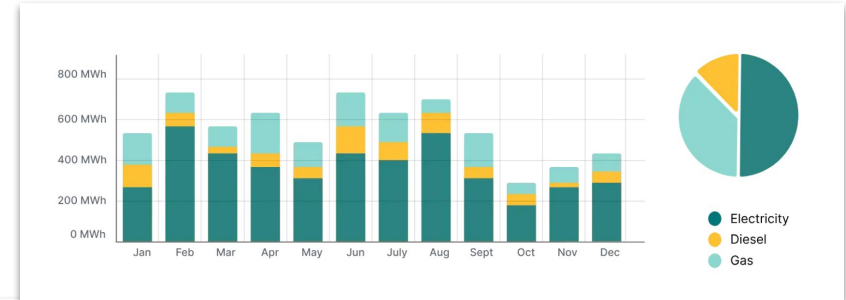
Easy comparison of the before-and-after status of a development or investment, reporting included

Recommendations

AI-assisted recommendations based on an energy profile that helps save energy and reduce emissions

Funding

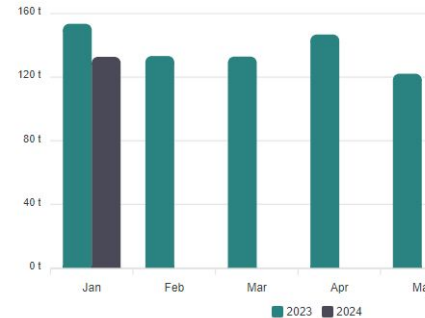
Automated tracking of grant and application opportunities and easy access to resources.



Carbon emissions

As a result of energy consumption, the company's CO₂ emissions were as follows.

The graph shows the reference year's and the current year's emissions broken down by month.



Does your company have lifts that cover more than 4 floors and are in operation for at least 4 hours a day?

Yes

No

Don't know

Roadmap



Onboarding

Feasibility & Proof of Concept	Integration	Training & Configuration	Support
~15+90 days	~60 days	~14 days	continuous
Technical survey and walk-through Proof of Concept for 3 months Handover of documentation Installment of X measuring points and software access ROI calculation	Integration of existing measuring system and submeters Historical data integration Setup of additional necessary communication channels Integration of solar production	Software user training for site managers Configurations: <ul style="list-style-type: none">• costum value limits• alarms, notifications• automatic riporting	System operation with guaranteed availability Continuous monitoring Ongoing suggestions and assistance in energy decision preparation Consultation opportunities*

Proof of concept



Proof of Concept for a manufacturing company

Technical survey and walk-through

Proof of Concept for 3 months

Handover of documentation

Installment of 6 measuring points and software access

ROI calculation

Conditions

Manufacturing company

50 headcount or more

Have digitalisation and sustainability goals

Willing to help us with feedback and open to being a reference

Thank you for your attention!

Some who have already chosen us:



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