
Strong connections

Big impact

OCS Discrete Manufacturing

Gerhard Bechter
Christoph Jandl

HENN connector
group

AVEVA



We all know the
principle...





...and the
problem

A photograph of a green garden hose with a blue and orange tap. Water is spraying out of the tap. The background is a lush green garden with various plants and flowers. The word "LEAKAGE" is written in large, white, sans-serif capital letters across the center of the image.

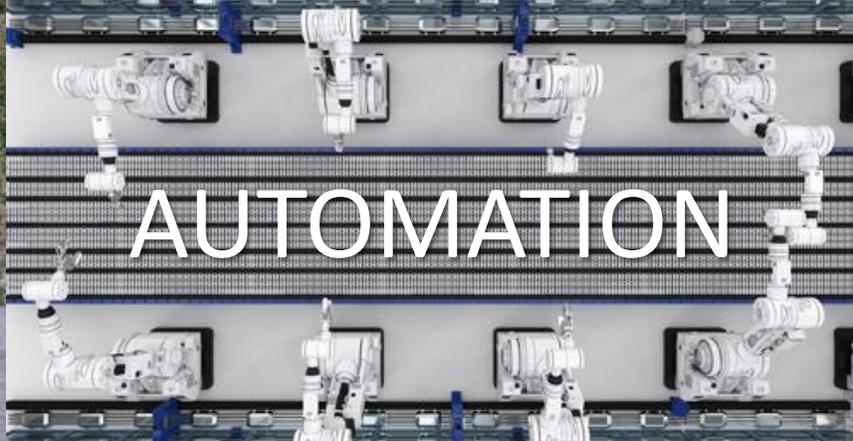
LEAKAGE



125M EUR



AUTOMOTIVE



AUTOMATION



FOOD
&
BEVERAGE



THERMO-
MANAGEMENT



AEROSPACE

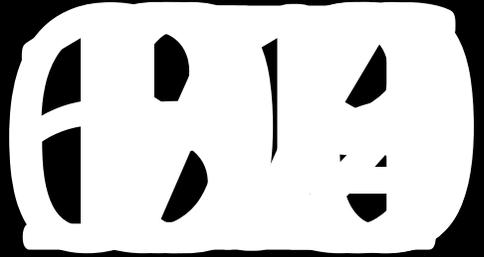


BUILDING
INSTALLATION
TECHNOLOGY



586.274.3 ~~586.274.3~~



586.274.5 



Our
customers
want

AVEVA



NO
LEAKAGE

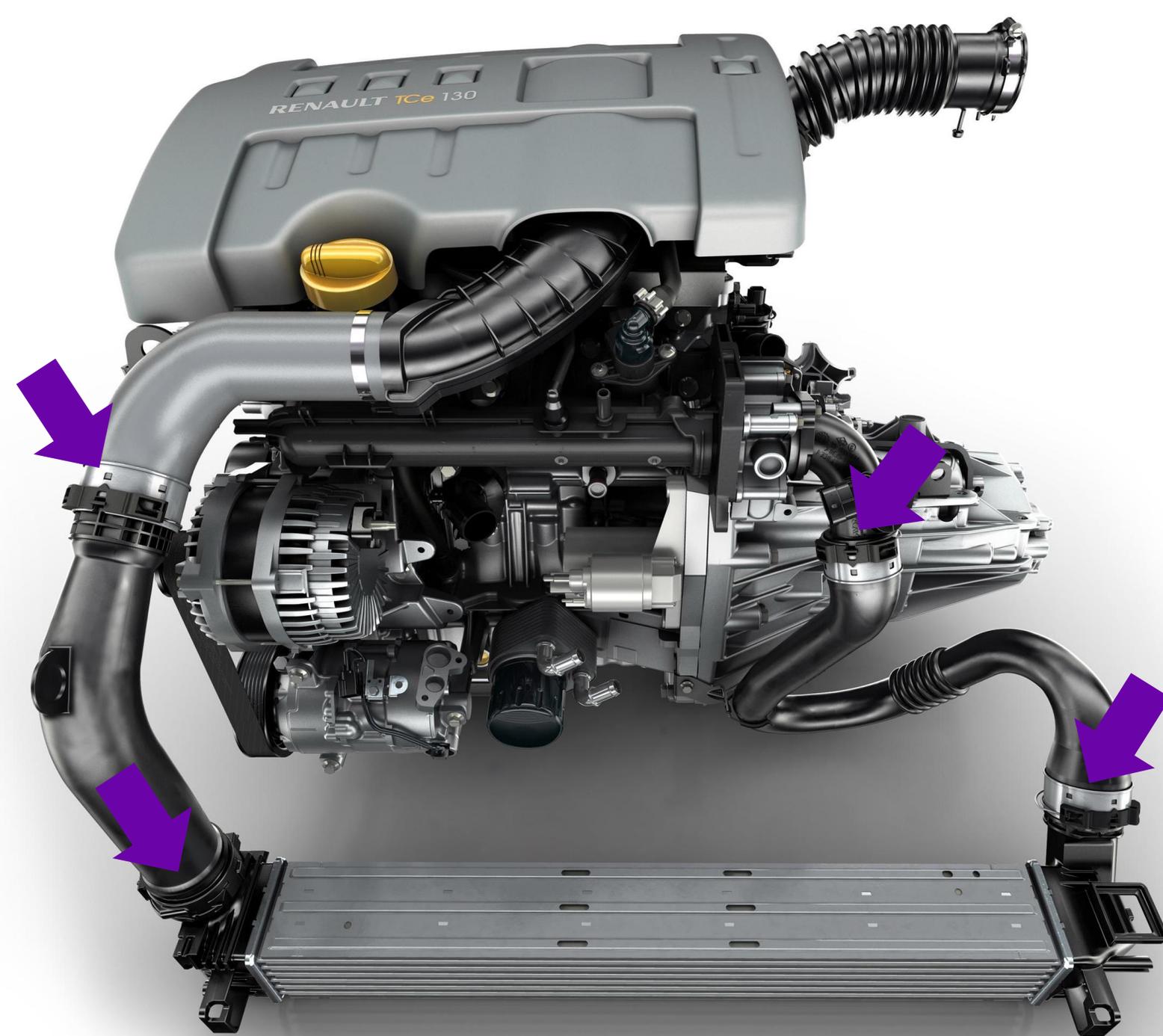


You are using
our products



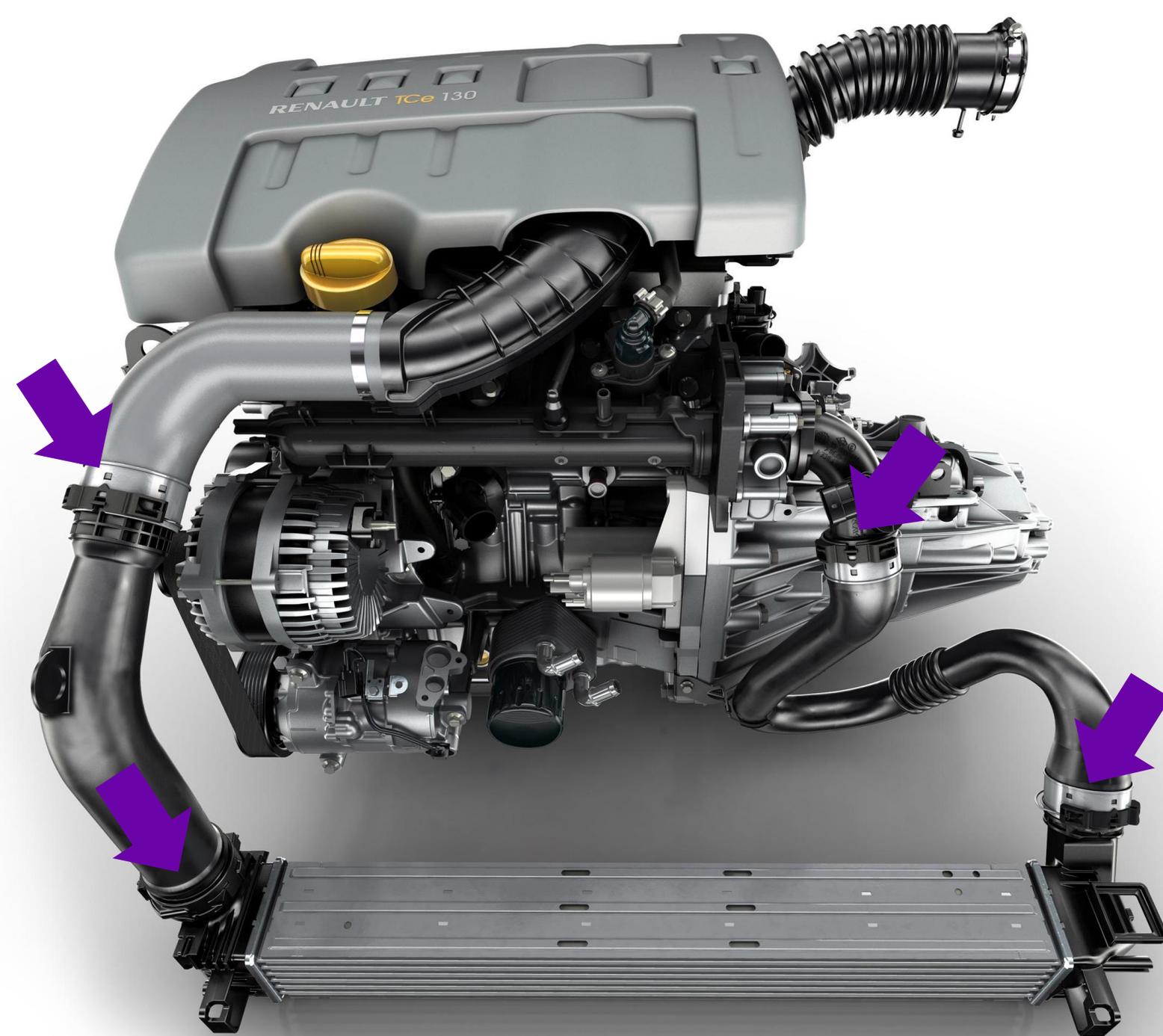
DAILY





..in
your
car

AVEVA



..regardless
if it's a ICE
PHEV
BEV
or FCV



UNLESS
you drive
a HONDA



You might ask
yourself now:

What does
this have
to do
with

PI?

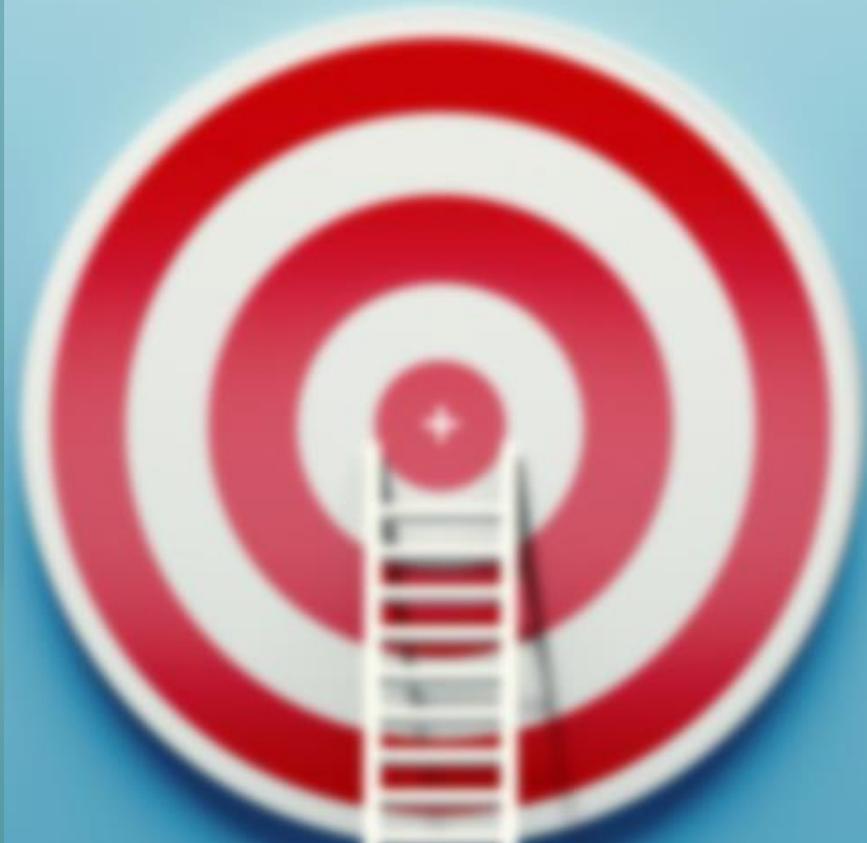
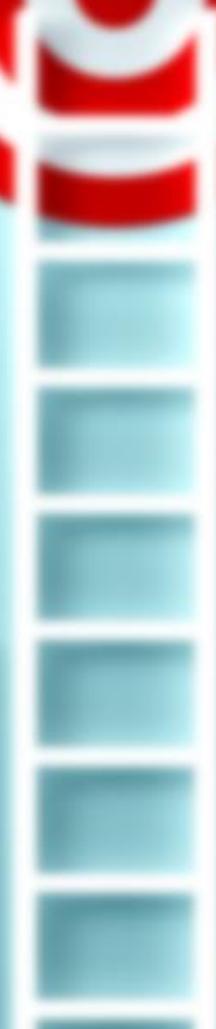


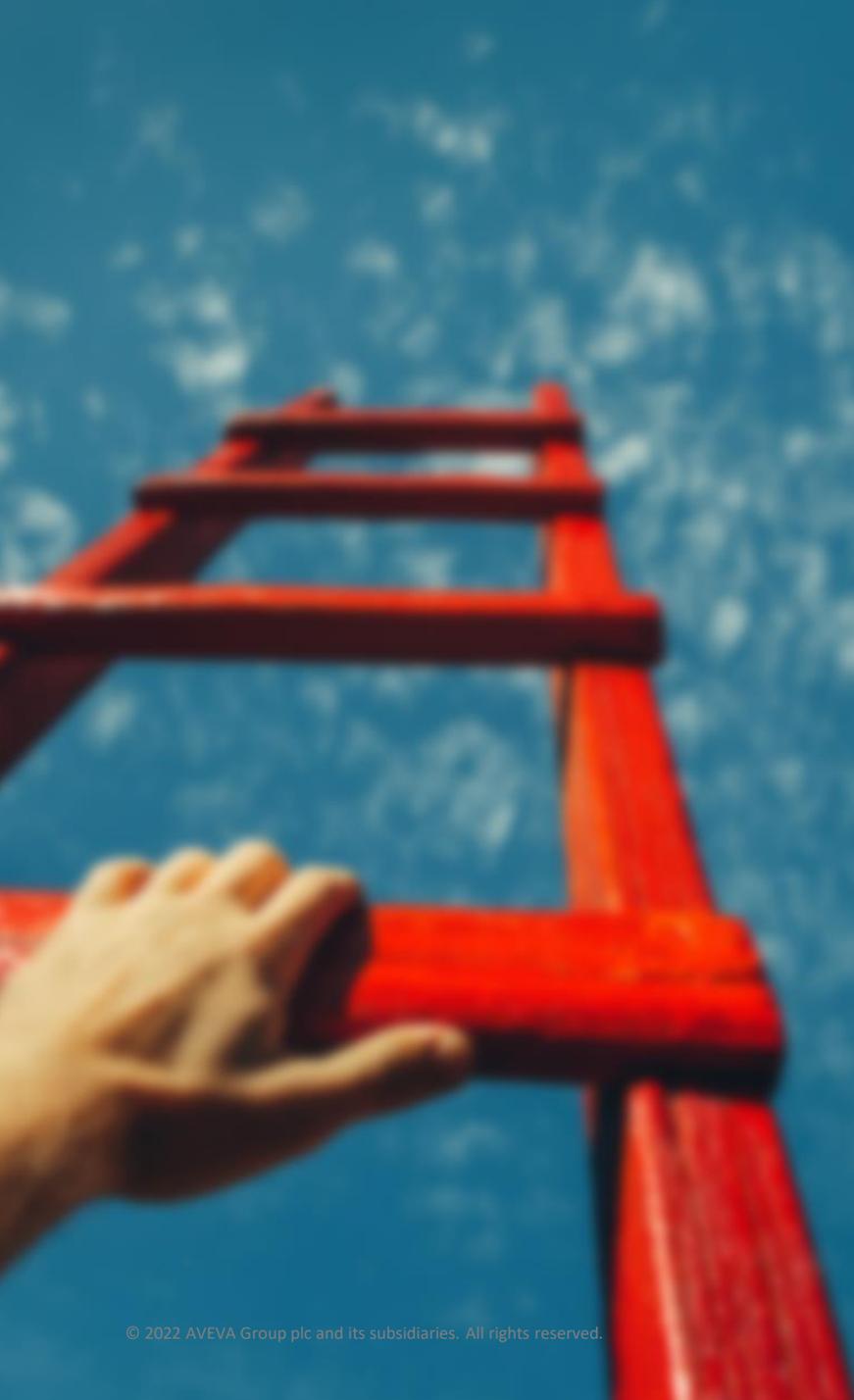
NO LEAKAGE



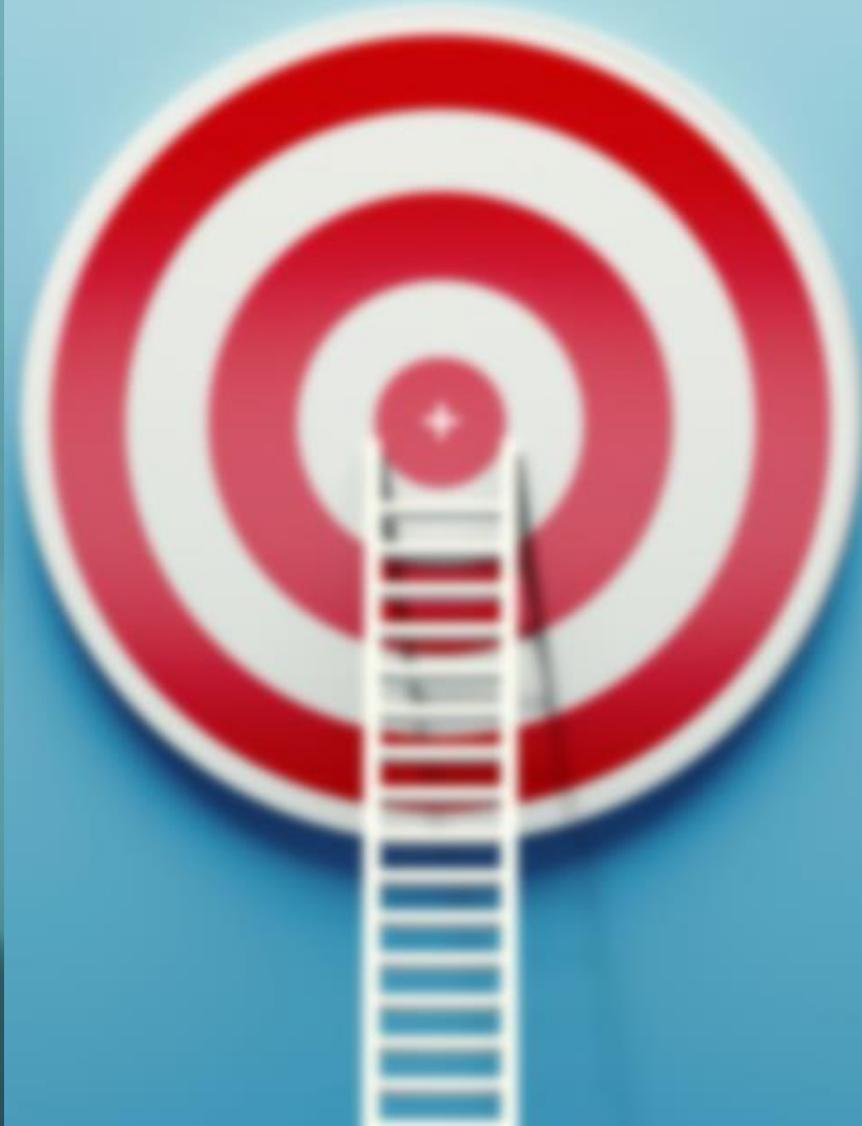
ALSO FOR DATA

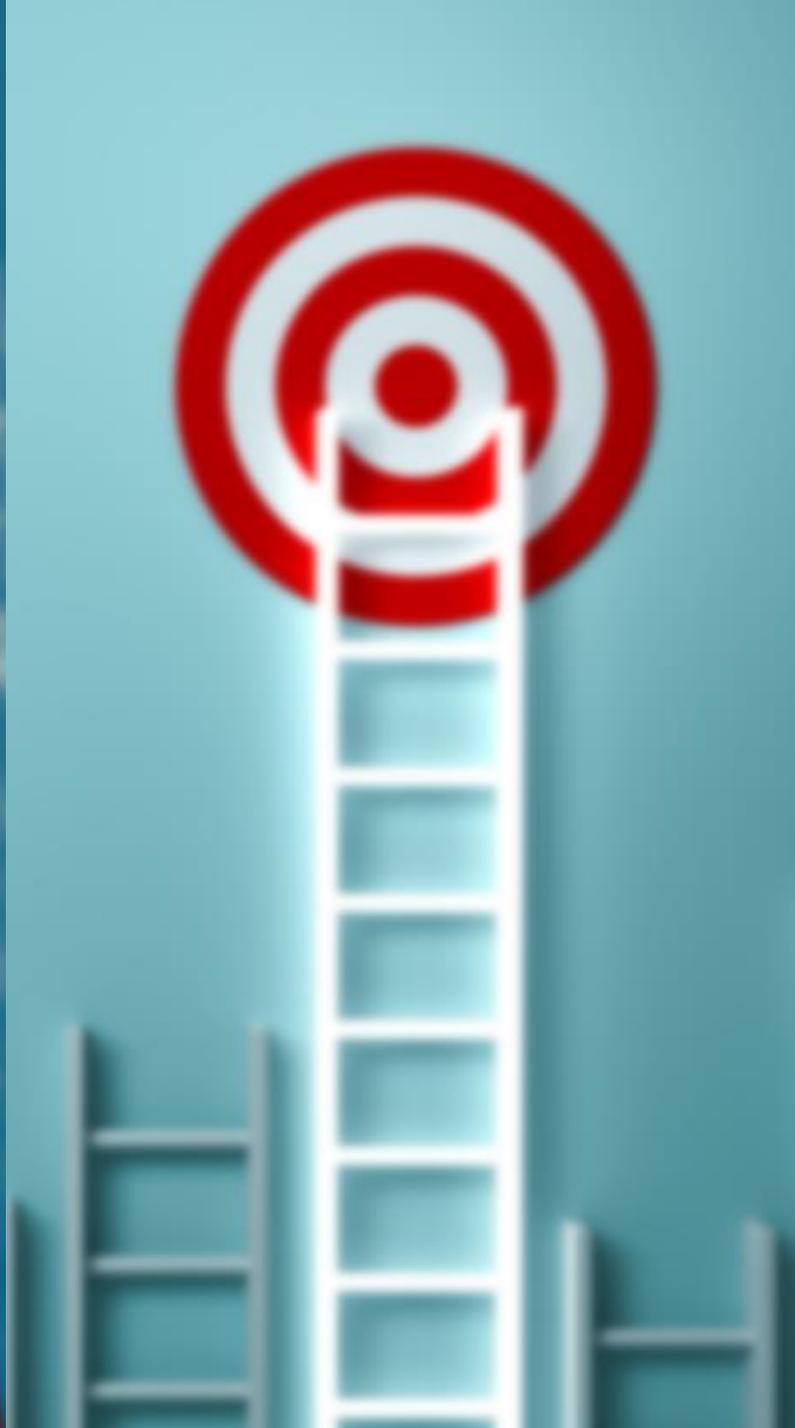
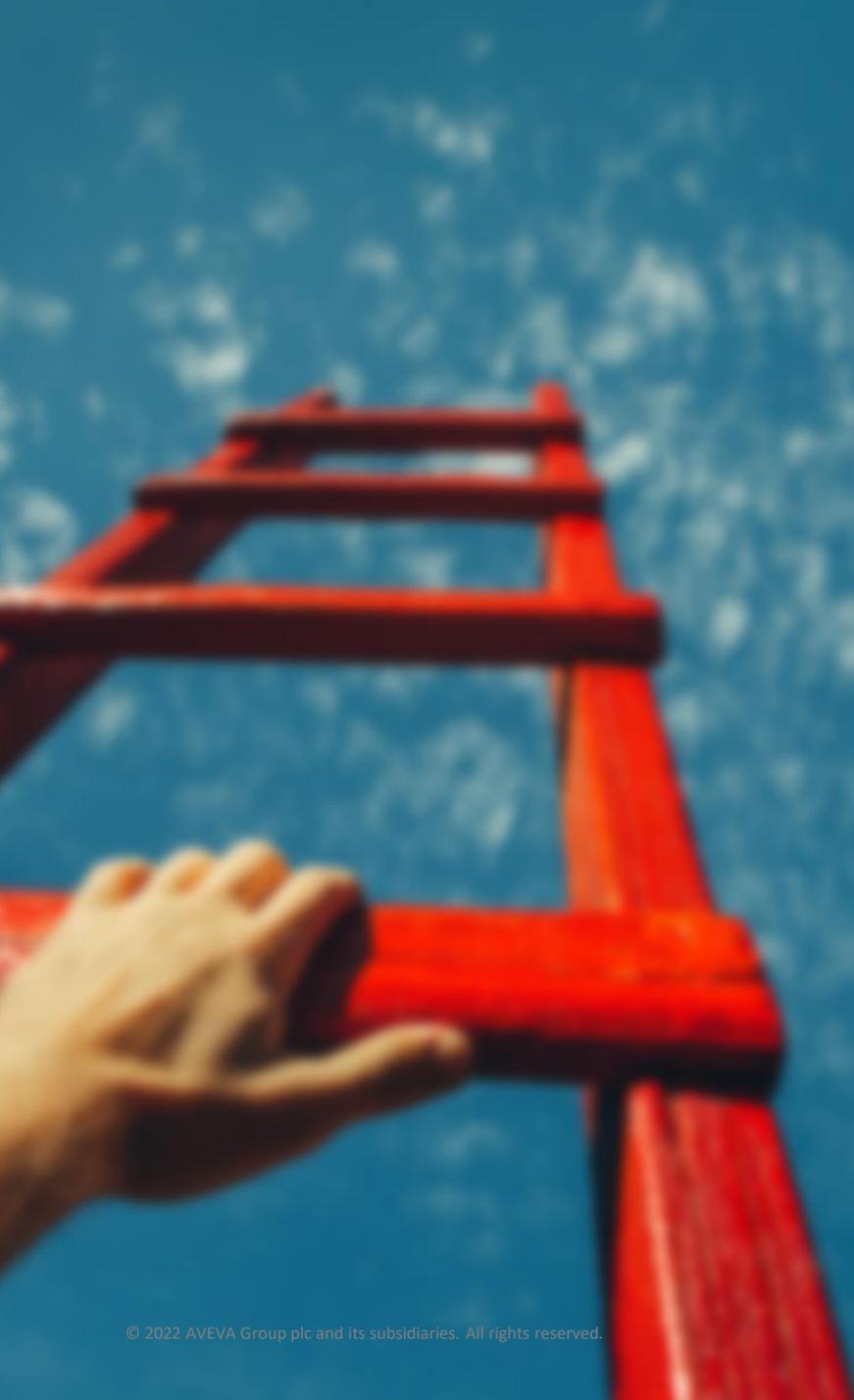
CHALLENGE





SOLUTION





BENEFITS





THE PROBLEM





..18 assembly lines
..420 assembly machines

No connection

No data

No information

No context!

→ **High efforts**





OUR GOAL:

PRO ACTIVE
SUPPORT



YESTERDAY



TODAY











 Home

 Production Report

 Quality Report

 Customer Report

Hello, Amsterdam!

Please enter part number

Search

 Home

 Production Report

 Quality Report

 Customer Report

Hello, Amsterdam!

Please enter part number

[Home](#)[Production Report](#)[Quality Report](#)[Customer Report](#)

Cupling production report

This component demonstrates fetching data from the server.

Part number	5735172	Part state	True
Charge number	274533	Part type	HC45.09 FKM
Production date	05.04.2022 08:52:47	Assembly line	HC.air 1502

Measure	Value	Setpoint	Difference
Station 313 Height 1	-3,8953	-3,86	0,035
Station 313 Angle 1	248,148	248,1	-0,04
Station 313 Height 2	-3,895	-3,98	-0,08
Station 313 Angle 2	248,801	248,8	-0,00

Home

Production Report

Quality Report

Customer Report

Quality report

Production date

05.04.2022 08:52:47

Part number

5735172

Part state

NO ERROR



Home

Production Report

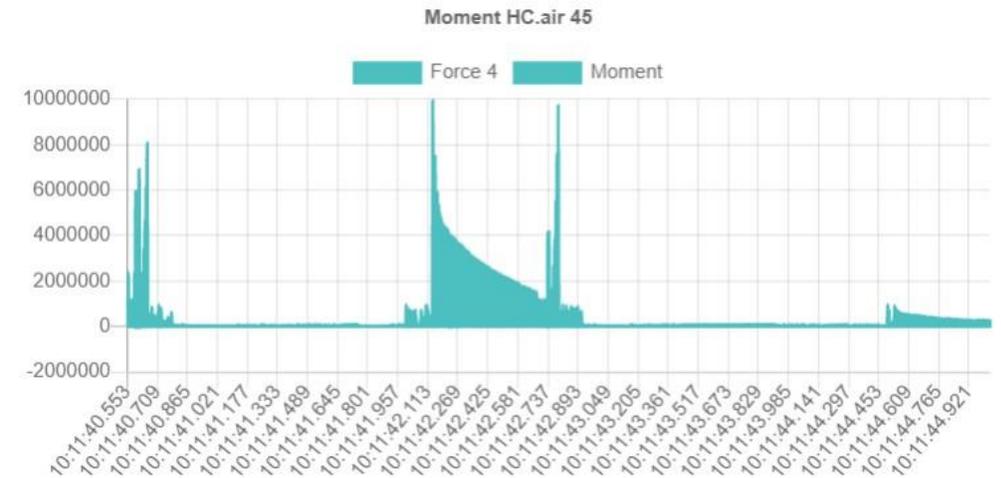
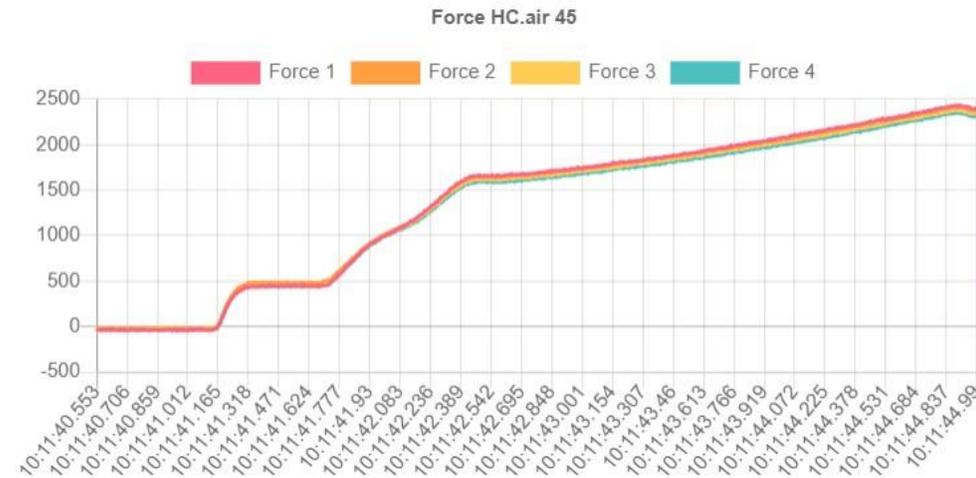
Quality Report

Customer Report

Customer assembly report

Overview of the final assembly of the part on client side

Assembly Time	2022-04-14T10:11:00Z	Workplace	2001	Product	PI World DEMO
Program	*Software Test*	Tool 1	HC+ 45 R1 A	Tool 2	HC+ 45 V04
Barcode Part	9329050905735172	Barcode Tool 1	10700160180	Barcode Tool 2	10700820496
Assembly state	NO ERROR	Batch number	DEMO39593	Program number	7





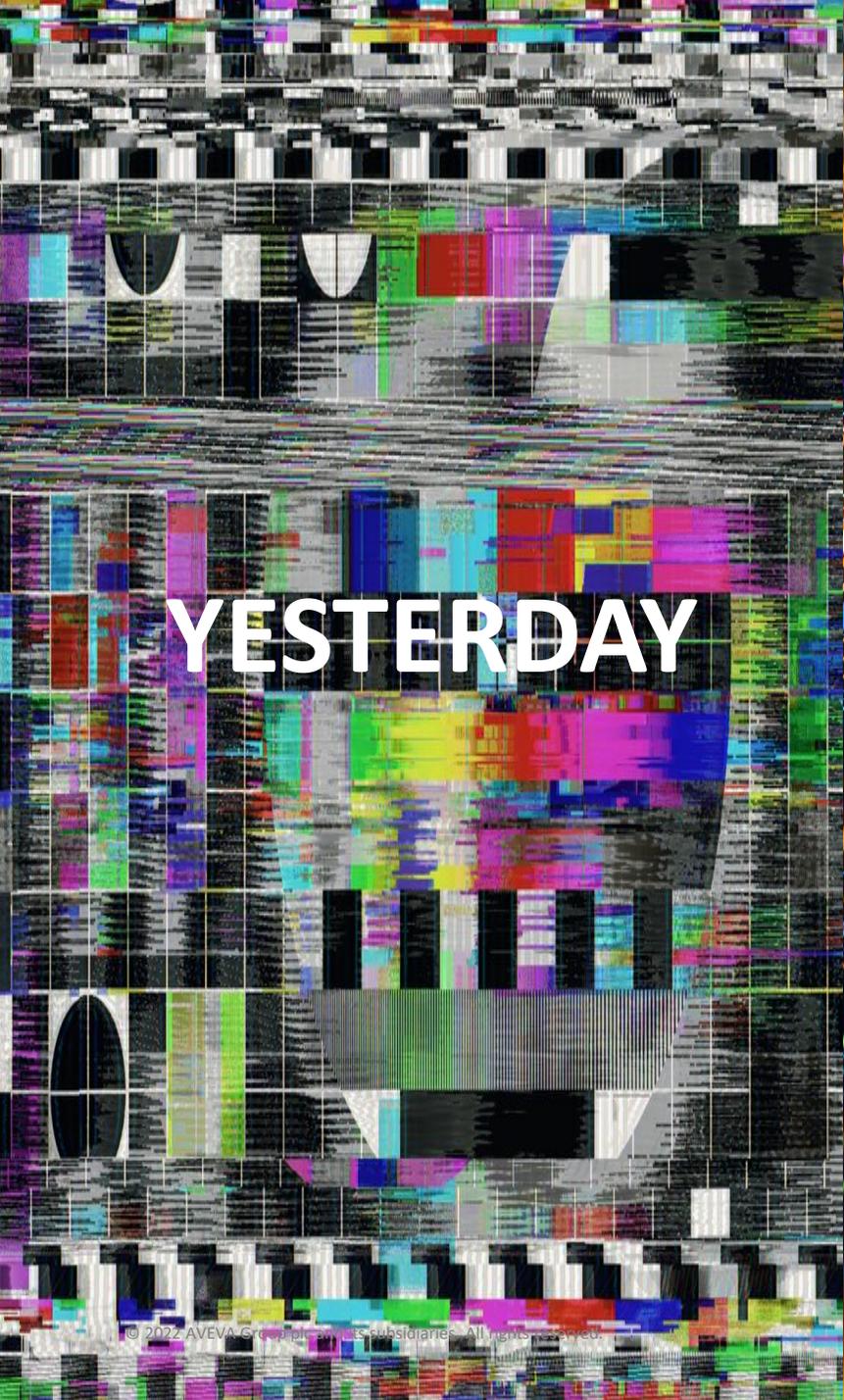
WHY IS THIS

SPECIAL?



SEQUENTIAL
DATA
STORAGE

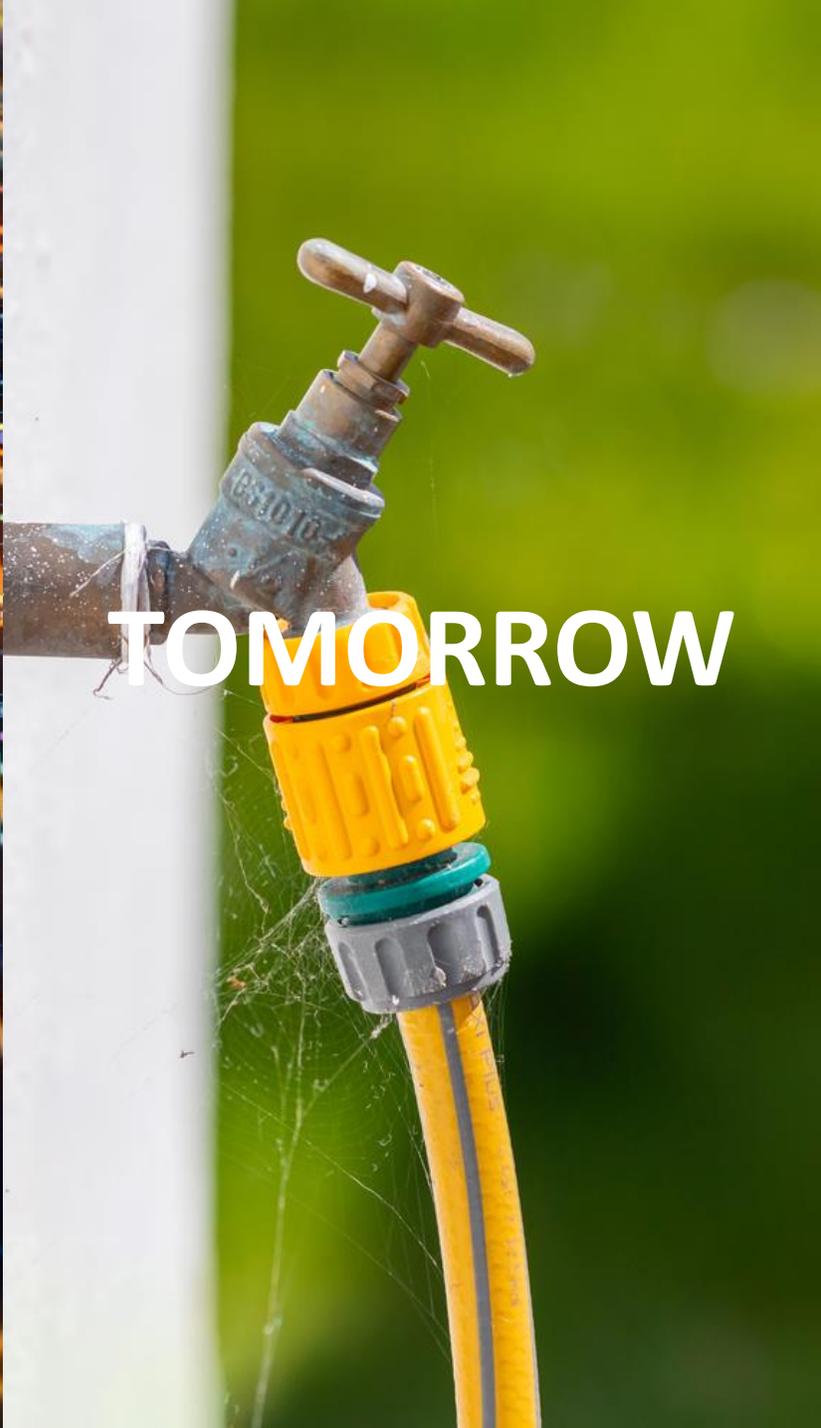




YESTERDAY



TODAY



TOMORROW



NO LEAKAGE



WHO DOES IT
HELP?

A photograph of a shopping cart in a supermarket aisle. The cart is in the foreground, with its orange handle and metal frame visible. The background shows shelves stocked with various products, including what appears to be a display of blue and white items. The word "PURCHASING" is overlaid in large, white, sans-serif capital letters across the center of the image.

PURCHASING

A smiling woman with long, wavy blonde hair, wearing a bright yellow turtleneck sweater, stands against a solid yellow background. She is holding several yellow shopping bags, with her hands raised as if presenting them. The word "CUSTOMERS" is written in large, white, sans-serif capital letters across the center of the image, partially overlapping her sweater and the bags.

CUSTOMERS



STAKEHOLDER

MANUFACTURER



A close-up photograph of a man in a dark blue suit and light-colored shirt, pointing his right index finger directly at the camera. The man's face is slightly out of focus, but he has a neutral to pleasant expression. The background is a bright, blurred indoor setting. The word "YOU" is written in large, white, sans-serif capital letters across the center of the image, partially overlapping the man's hand and suit.

YOU



THANKYOU

謝謝

DZIĘKUJĘ CI

NGIYABONGA

TEŞEKKÜR EDERİM

DANKIE

TERIMA KASIH

GRACIES

WHAKAWHETAI KOE

DANKON

TANK

TAPADH LEAT

SALAMAT

KÖSZÖNÖM

SPASIBO

GRAZIE

MATUR NUWUN

ХВАЛА ВАМ

MULTUMESC

PAKMET CI3GE

고맙습니다

GRAZIE

شكرا

HVALA

FAAFETAI

GO RAIBH MAITH AGAT

ESKERRIK ASKO

БЛАГОДАРЯ

GRACIAS

MAHADSANID

TI БЛАГОДАРАМ

HVALA

TEŞEKKÜR EDERİM

TAK DANKE

DANK JE

EΥΧΑΡΙΣΤΩ

GRATIAS TIBI

MAHALO IĀ 'ŌE

TAKK SKAL DU HA

OBRIGADO

RAHMAT

MERCI

AČIŮ

SALAMAT

MAHARIT

GRAZZI

PAKKA PÉR

MERCI

DI OU MÈSI

HATUR NUHUN

PAXMAT CAĠA

ĎAKUJEM

CẢM ƠN BẠN

FALEMINDERIT

ありがとうございました

SIPAS JI WERE

TERIMA KASIH

UA TSAUG RAU KOJ

TI БЛАГОДАРАМ

СИПОС

WAZVIITA



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 [@avevagroup](https://twitter.com/avevagroup)

ABOUT AVEVA

AVEVA is a global leader in industrial software, driving digital transformation and sustainability. By connecting the power of information and artificial intelligence with human insight, AVEVA enables teams to use their data to unlock new value. We call this Performance Intelligence. AVEVA's comprehensive portfolio enables more than 20,000 industrial enterprises to engineer smarter, operate better and drive sustainable efficiency. AVEVA supports customers through a trusted ecosystem that includes 5,500 partners and 5,700 certified developers around the world. The company is headquartered in Cambridge, UK, with over 6,500 employees and 90 offices in over 40 countries.

Learn more at www.aveva.com