

MEASURE SPHERE

INDUSTRIAL MONITORING PLATFORM

FROM FIELD DATA TO ACTIONABLE INSIGHT

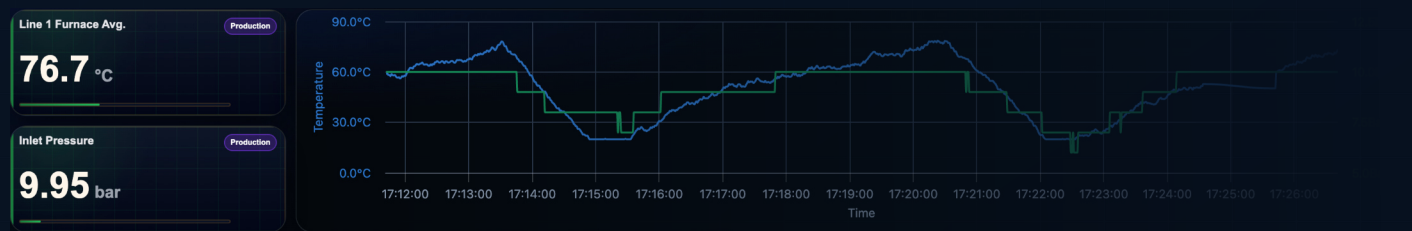
Connect, calculate, record, visualize, report and share -
without building custom software.

INDUSTRY 4.0 IIoT



Build your digital transformation - by yourself.

MeasureSphere gives industrial teams one environment to configure data acquisition, calculations, archives, screens, alarms and reports through a responsive web interface.



ONE PLATFORM. TWO OPERATIONAL MODELS

WEB PLATFORM

Subscription-based access through a hosted MeasureSphere environment for a fast project start and browser-based operation.

ON-PREMISE

Install MeasureSphere on YOUR own server and operate it within the local infrastructure.



atvise® POWERED BY atvise®

The underlying platform provides the technical foundation for secure, web-based industrial applications.

One continuous industrial data workflow.

Move from field connectivity to operational insight inside one integrated platform.

01 CONNECT

Collect field devices and data sources into the platform.

02 CALCULATE

Create results and reusable virtual channels.

03 RECORD

Build archives without database setup.

04 VISUALIZE

Design responsive pages and dashboards.

05 REPORT

Turn stored data into useful views.

06 SHARE

Provide data to users and other systems.

Connect the field. Organize the data.

Add industrial data sources, define channels and prepare values for use throughout the application.

OPC UA

HA

MODBUS

TCP/IP

SIEMENS

S7

MQTT

CLIENT

CNC

CONNECTION

Connector Library

OPC OPC UA

MB Modbus

S7 Siemens S7

SQL SQL

API REST Client

Configured DataSources

Configured device records.
Protocol is below, group filters are
on the right.

Search name, endpoint..

All Status

[+ Add Data Source](#)

All

OPC UA

REST Client

⇌ OPC UA

Active

UAX300

⇌ OPC UA

Active

Factory 1

ADD DEVICES

Create a data source and enter the required communication settings.

DEFINE CHANNELS

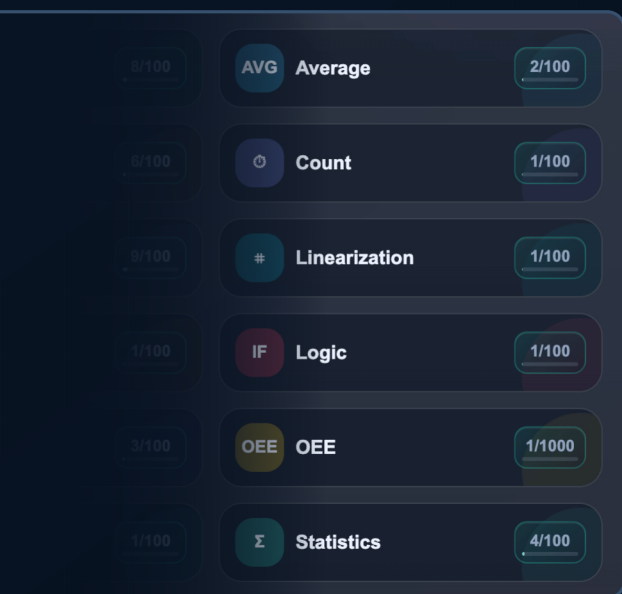
Name values, select channels and organize incoming data.

PREPARE VALUES

Set engineering units, decimal places and presentation details.

Turn raw values into new information.

Use ready function modules to create calculated results and publish them as virtual channels.

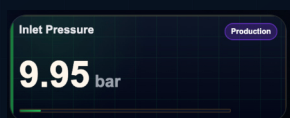


24

READY-TO-USE FUNCTION MODULES

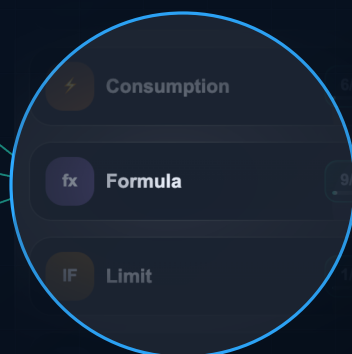
Designed to cover the great majority of common industrial calculation needs.

REAL CHANNELS

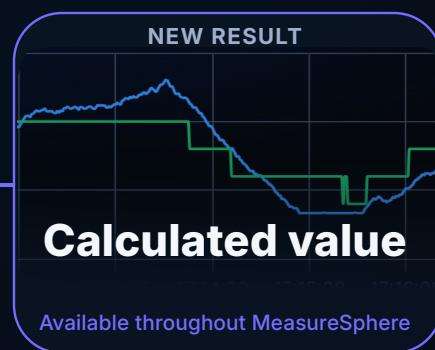


Machine state
RUN

FUNCTION MODULES



VIRTUAL CHANNEL



Channels

Screens

Databases

Backup

Databases

Backup

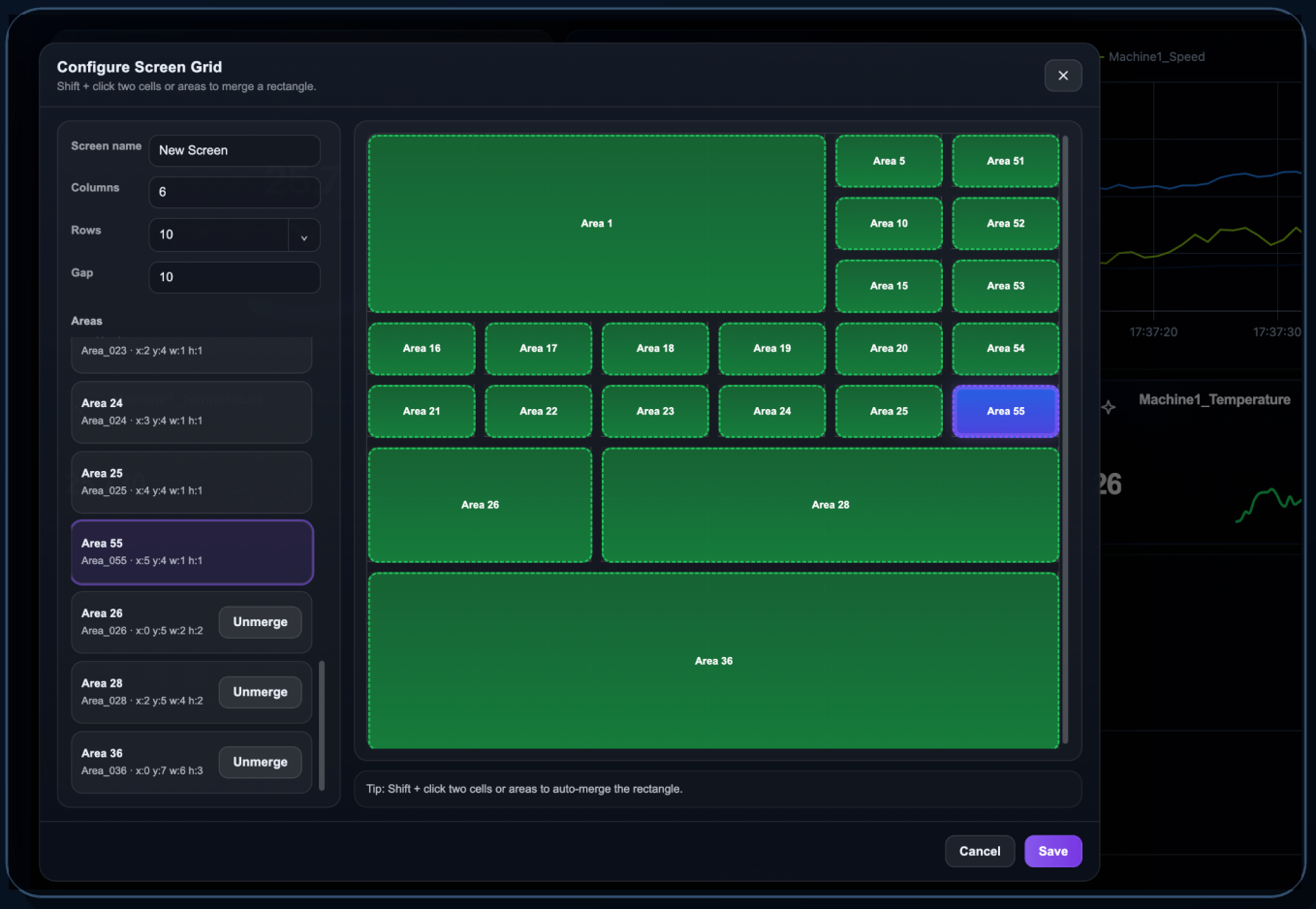
Notifications

System Access

USE THE RESULT THROUGHOUT THE PLATFORM

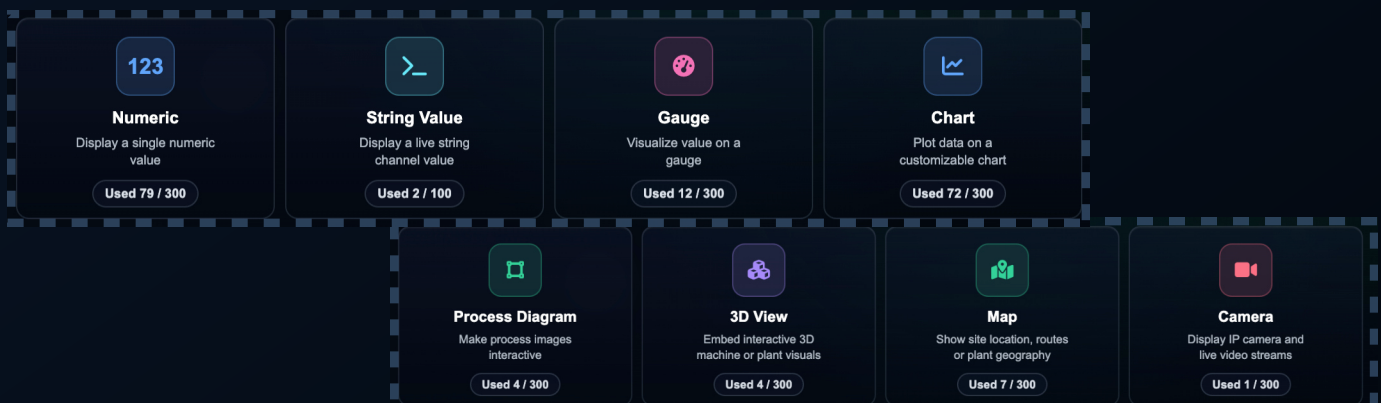
Design the screen you need.

Create responsive dashboards, operational pages and process views with mouse-driven design tools.



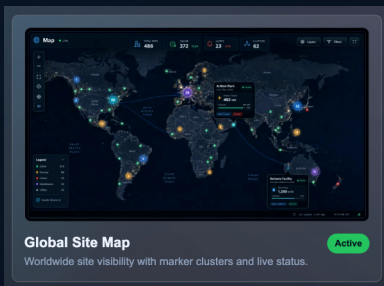
DESIGN FREEDOM

Place, size and combine components across as many pages as the application requires.



Beyond the standard dashboard.

Bring spatial context, process information, documents, cameras and reusable structures into the same user experience.

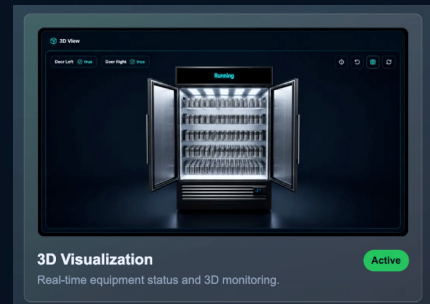


MAPS

Maps, markers, values and navigation.

INTERACTIVE 3D

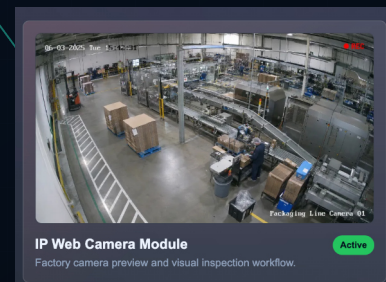
Movable 3D structures for richer context.



ALWAYS
MORE THAN
enough

IP CAMERA

Live camera views in the relevant page.



PROCESS VIEWS

P&ID-style and process-oriented pages.



Screen templates can significantly reduce design time in repeated applications.

Record without database work.

Create archive files in minutes without configuring an SQL database or writing custom logger software.

01

CREATE ARCHIVE

Open a new archive file.

02

SELECT CHANNELS

Choose real and virtual channels.

03

SET INTERVAL

Define how often values are recorded.

04

SET RETENTION

Enter the required storage period.

UP TO

250

ARCHIVE FILES

MULTIPLE ARCHIVES

Different intervals and retention rules

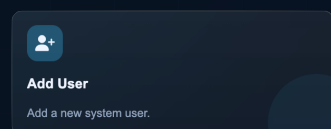
● Utilities	1 min	2 years
● Production	1 sec	6 months
● Quality	10 sec	1 year
● Test Bench	5 min	2 years
● Energy	15 min	5 years

BACKUP & CONFIGURATION

Schedule automatic backups, start a manual backup, and export or import application configuration when required.

Manage access. Protect operations. Act on events.

Simple operational tools help customers maintain the application after training.

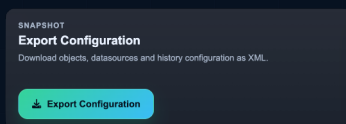


USERS & ACCESS

Create groups such as Administrator and Operator. Define page visibility and function permissions.

PAGE VISIBILITY

FUNCTION PERMISSIONS

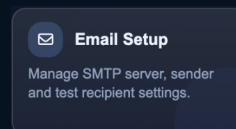


BACKUP & CONFIGURATION

Schedule database backups, use a manual backup button, and import or export configuration.

SCHEDULED / MANUAL

IMPORT / EXPORT

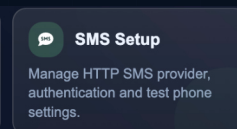


ALARMS & NOTIFICATIONS

Link alarms and events to e-mail notifications. SMS is available through an optional external API.

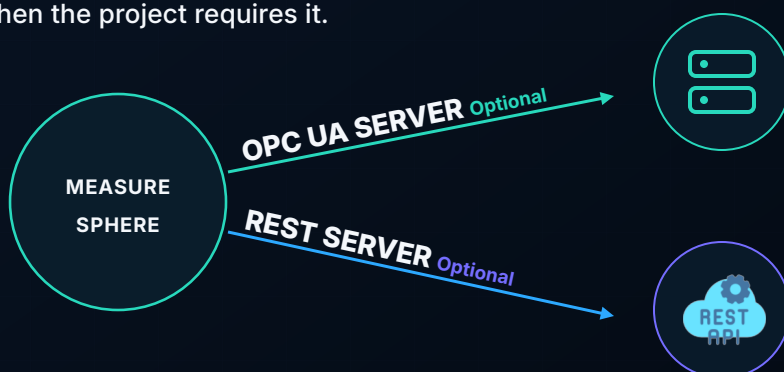
E-MAIL

OPTIONAL SMS



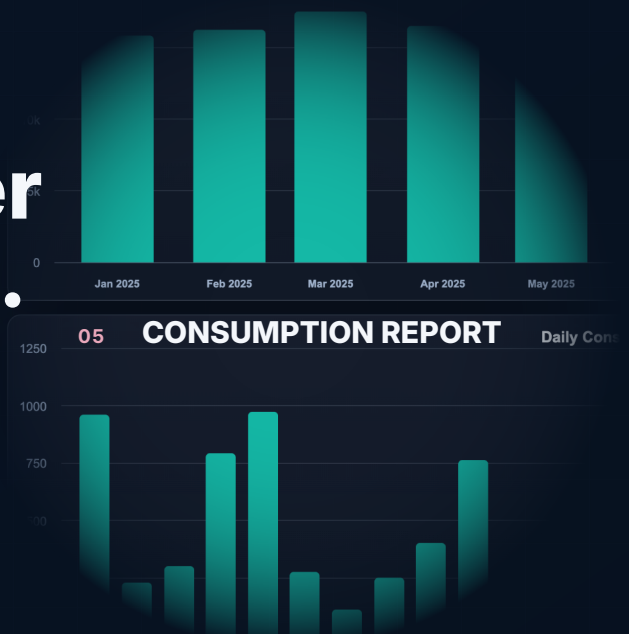
DATA SERVICES & SYSTEM INTEGRATION

Make collected and calculated channels available to other systems when the project requires it.



Reports that answer different questions.

Turn archived values into useful information without creating a separate reporting application.



01 TREND REPORT

What happened between two dates?

Select an archive and up to 10 channels. Review minimum and maximum values and export as JPG, Excel or CSV.



02 CHANNEL TREND REPORT

Where was this channel recorded?

Start with the channel. MeasureSphere identifies the archive files that contain it and creates the same trend-style view.



03 CATEGORY REPORT

What were the values in each operating condition?

Use a table-oriented report to compare values while a machine was operating in selected modes or states.

Category	Date	Machine1_Temperature	Machine1_Pressure	Machine1_Speed	Machine1_Performance	Machine1_DigitalChannel1	Machine1_DigitalChannel2	Machine1_DigitalChannel3	Machine1_DigitalChannel4
State	6.08.2025 17:12:31	0	100	50	Value	Value	Value	Value	Value
State	6.08.2025 17:12:34	0	100	54	Value	Value	Value	Value	Value
State	6.08.2025 17:12:36	0	100	54	Value	Value	Value	Value	Value
State	6.08.2025 17:12:38	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:37	0	100	54	Value	Value	Value	Value	Value
State	6.08.2025 17:12:38	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:39	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:41	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:41	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:42	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:43	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:44	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:45	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:46	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:47	0	100	55	Value	Value	Value	Value	Value
State	6.08.2025 17:12:48	0	100	55	Value	Value	Value	Value	Value

04 STACKED PERCENTAGE REPORT

How was time distributed between states?

Use a 0-100% stacked bar to show time spent in normal operation, maintenance, stop or other defined modes.



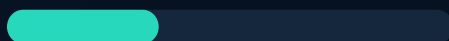
Scale to the project. Use it across industry.

Build a package around the actual data volume, connectivity and functional requirements of the application.

FLEXIBLE LICENSING

DATA SOURCES

Configured connections



REAL CHANNELS

Values collected from field devices



VIRTUAL CHANNELS

Calculated and derived values



PAY FOR THE SCALE YOU NEED

Different needs can be served with differently priced packages instead of forcing every project into the same capacity level.

APPLICATIONS



INDUSTRY 4.0

Factory digitalization projects.



IIOT

Distributed data and responsive web view



OEE & PERFORMANCE

Production performance calculations.



CONSUMPTION

Energy, utilities or material monitoring.



DATA ACQUISITION

Real and virtual channel recording.



TEST & MEASUREMENT

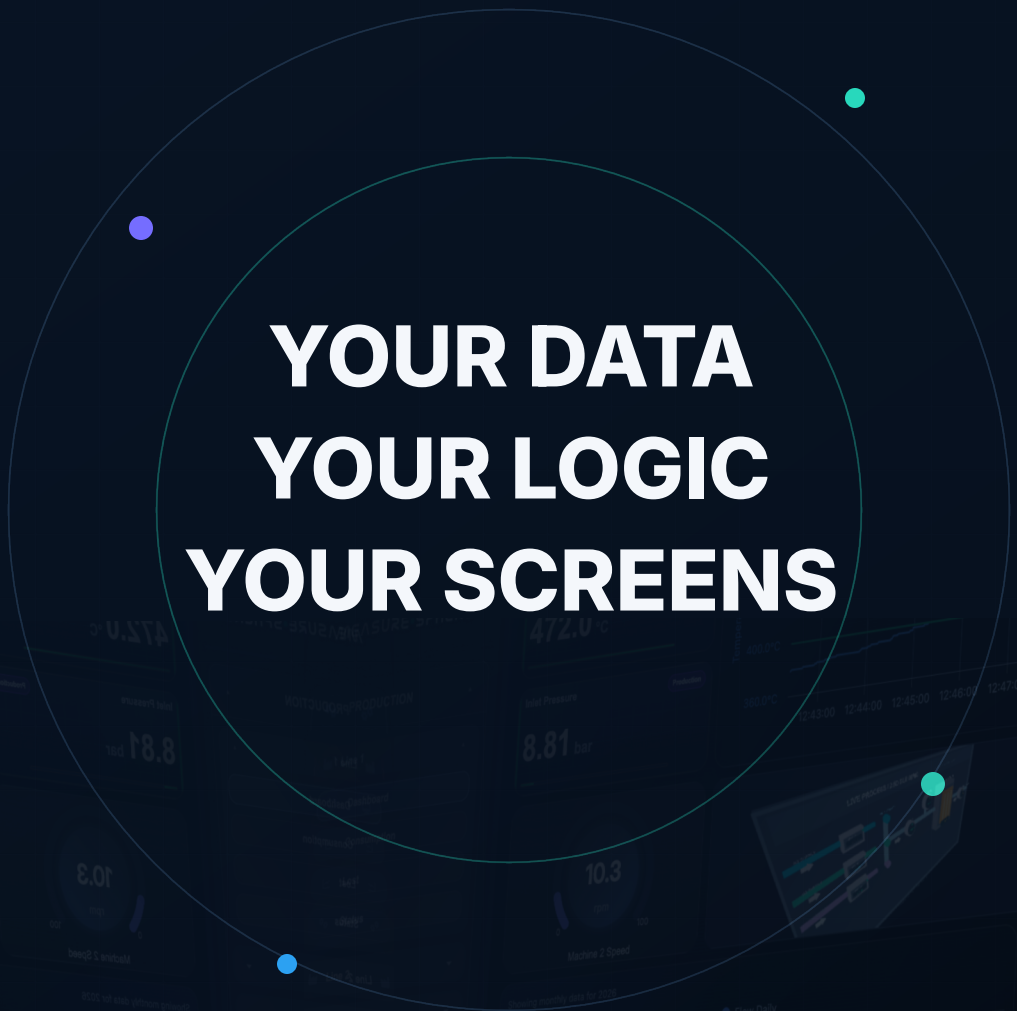
Data collection and test applications.

WEB PLATFORM

ON-PREMISE

The brochure presents the full capability set. Final configuration depends on licence capacity, selected package and optional functions.

MEASURE•SPHERE



**YOUR DATA
YOUR LOGIC
YOUR SCREENS**

Connect, calculate, record, visualize, report and share
- in one responsive industrial data platform.

measuresphere.com

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