

Siemens Digital Industries Webinari 1/2



| Datum | Tema | Predavač |
|-----------------|---|--------------------------------|
| 14.04. / 19.05. | FA1: Motion Control | Darko Živković, Jelena Đukić |
| 15.04. / 14.05. | FA2: Energy Management System | Zoran Jovanović |
| 22.04. / 21.05. | FA3: Redundantni kontroleri serije S7-1500R/H | Mirko Milovanović |
| 05.05. / 26.05. | FA4: WinCC Unified | Mirko Milovanović |
| 15.04. / 13.05. | MC1: DT konfigurator | Nenad Bakal, Pavle Dragišić |
| 23.04. / 22.05. | MC2: Sizer, large drives | Miloš Marković, Pavle Dragišić |
| 06.05. / 26.05. | MC3: Sizer, motion drives | Miloš Marković, Pavle Dragišić |
| 21.04. / 21.05. | CI1: Industrial Networks | Jelena Đukić |

Siemens Digital Industries Webinari 2/2



| | Datum | Tema | Predavač |
|----------|-----------------|---|---|
| \ | 16.04. / 15.05. | PI1: PI Academy world | Andrijana Popara, Miljan Miljanić, Marko Marić |
| | 24.04. / 22.05. | PI2: PI workshop for specialist | Andrijana Popara, Miljan Miljanić, Marko Marić |
| | 08.05. / 29.05. | PI3: #New@PI | Andrijana Popara, Miljan Miljanić, Marko Marić |
| | 30.04. / 29.05. | AE1: Digitalna rešenja u procesnoj industriji | Jelena Đukić, Marko Milenković |
| | 29.04. | CP1: Control Panel Online Symposium | Siemens worldwide webinar |
| | 22.04. / 27.05. | CP2: Clever engineering in the control panel | Tijana Džodžo |
| | 28.04. / 12.05. | CP3: New series of signaling devices 3SU | Tijana Džodžo |
| | 21.04. / 20.05. | CP4: SIRIUS 3RW Soft starters | Bojan Janković |
| | 07.05. / 28.05. | DE1: Siemens Digital Enterprise | Zoran Jovanović |
| | | | |



Predavači

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Marko Marić

Andrijana

Popara

Miljan

Miljanić

Agenda



10 min
15 min
5 min
15 min

| Teme | Predavač |
|--|------------------|
| Portfolio procesne instrumentacije | Miljan Miljanić |
| PIA portal | Marko Marić |
| Alati za proračun merno regulacione opreme | Andrijana Popara |
| Digitalizacija i procesna oprema | Miljan Miljanić |
| Zaključci, komentari, pitanja | |

Our broad portfolio covers all customer needs. Your single-source-supplier.



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Flow Electromagnetic, Coriolis, Ultrasonic & Vortex



Temperature Rail, Field, Head, Sensor, Multipoint



Positioner



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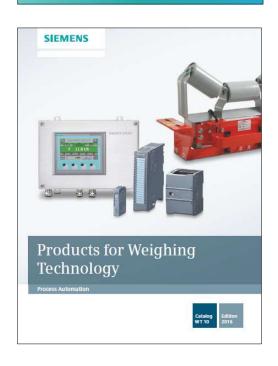
Ingenuity for life

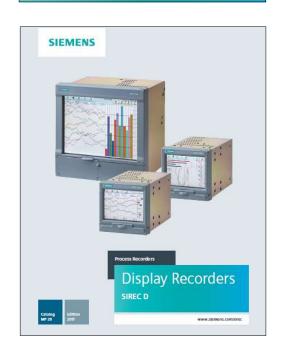
MP20

WT10



FI01

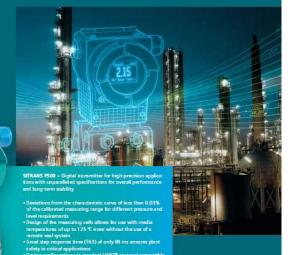






Pressure measurement without ifs and buts: SITRANS P

SITRANS P is a complete range of measurement instruments for measuring relative pressure, differential pressure and absolute pressure. In addition to high measuring accuracy and ruggedness, the modular system features superb operating convenience and functionality as well as a perfect safety





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Next Generation Pressure Device

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SITRANS P320/420

Display

- 3 display lines
- Perfect readable
- Diagnostic Icons (NE107)
- Specific error number in the Bottom Line

Measuring Ranges

- Pressure Transmitter:250 mbar to 700 bar
- Differential Pressure Transmitter:20 mbar to 30 bar
- Absolute Pressure Transmitter:
 250 mbar to 100 bar



P420: Step Response Time

 T_{63} < 105 ms for Pressure T_{63} < 135 ms for Dp Pressure

Error

Linear Characteristic:

- P320 0,065%
- P420 0,04%

Temperature Error

(0.0125 x r +0.0625)% / 28K

Effect of Static Pressure

- PKN = (0.1 x r) % / 70bar
- PKS = 0.1% / 70bar

Robustness Housing Material:

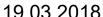
- Aluminium
- Stainless Steel 316L

PD PA PI PRM PT









The easy way to handle dP-Flow measurement





Feature/Function

Large variety of different designs and materials

Compact or remote version

Complete flow solution

Advanced sizing tool

Benefit

- Suitable for a vast range of different applications
- Suitable for various process conditions and parameters
- Flexible mounting
- One pressure transmitter for all applications
- Single source supplier for the hole measuring point
- Pre-mounted flowmeter delivered in "one box"
- Easy traceability throughout the ordering process
- Direct technical feedback and possibility to order

And now it's coming something new





SITRANS FM100 The small and compact addition to the SITRANS F portfolio





SITRANS FM Portfolio

When it comes to boosting productivity, choosing the right flowmeter can make all the difference. The trusted SITRANS F product family has versatile and reliable flow measurement solutions built to suit every industry and process.





The **SITRANS FM100** is a great addition to our existing portfolio and will boost the versatility even more.

This product aims to enlarge the flow portfolio for **OEM customer** and **other applications** requiring small meters.

Process Instrumentation | Temperature Measurement

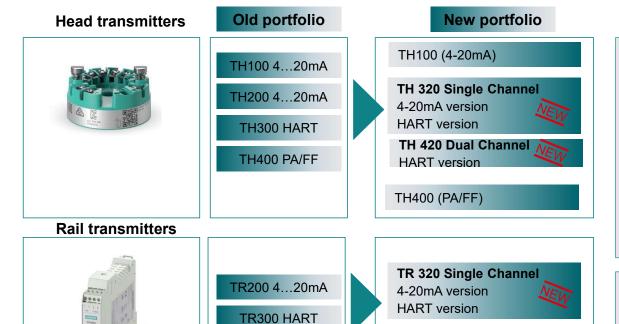
SITRANS T products are the temperature measurement professionals, even in extreme conditions. Whether used in hot, cold or hazardous environments – the communicative SITRANS T meets all expectations. And whether you're looking for sensors or transmitters for head, rail or field mounting – all are available individually or as complete measuring points. Our cost-effective SITRANS T transmitters offer high precision in every application and are quick and easy to connect to thermocouples or resistance thermometers. The SIMATIC PDM intelligent software package permits parameterization in just minutes, and input errors are avoided.





The recent portfolio will be updated by a new generation of T-Transmitters





TR 420 Dual Channel

HART version

New common features

- 4-wire RTD
- SIL 2/3 IEC 61508
- -50°C ambient temperature
- · Ex and Marine approvals,
- Calendar van Dusen
- TH with HMI interface

Additional features for dual input version (TH/TR 420)

- Hot backup
- · Drift detection and monitoring
- Mixed operation TC and RTD

Join the evolution in level measurement.





SITRANS LR100 series Level measurement for basic inventory in general industries





Feature/Function

Bluetooth wireless technology with SITRANS mobile IQ app on your mobile device

2 mm accuracy (LR110/120 versions) and zero blanking distance

Custom radar microchip delivers exceptional sensitivity

80 GHz yields narrow beam

Digitalization ready with 2-wire HART 7.0 or 4-wire Modbus RTU

Benefit

- Time-saving and no specialists required
 - Device status at a glance
- Precise measurement over entire range, accurate volume measurement.
- Signal killer conditions like condensation, turbulence, buildup or fluffy solids are no problem.
- No nozzle interference, no costly fine-tuning.
 - Get status and diagnostic data immediately to your systems ensuring quality of your process and faster and intelligent data for operations

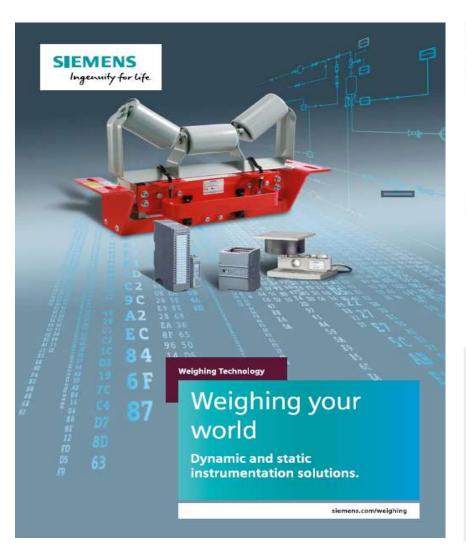


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Compact positioners











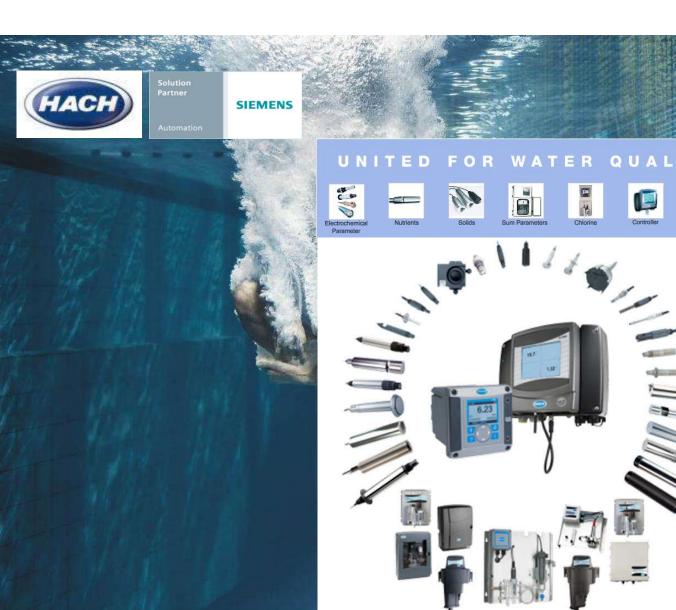












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- pH

- conductivity
- oxygen
- ammonium
- phosphate
- nitrate
- solids
- turbidity
- sludge level
- oil
- TOC
- chlorine
- sampler....

Configure any Siemens PI product conveniently with a single click Siemens Lifecycle Portal





Product, application, industry selection and configuration



Product data and application know-how



Save and administrate projects online

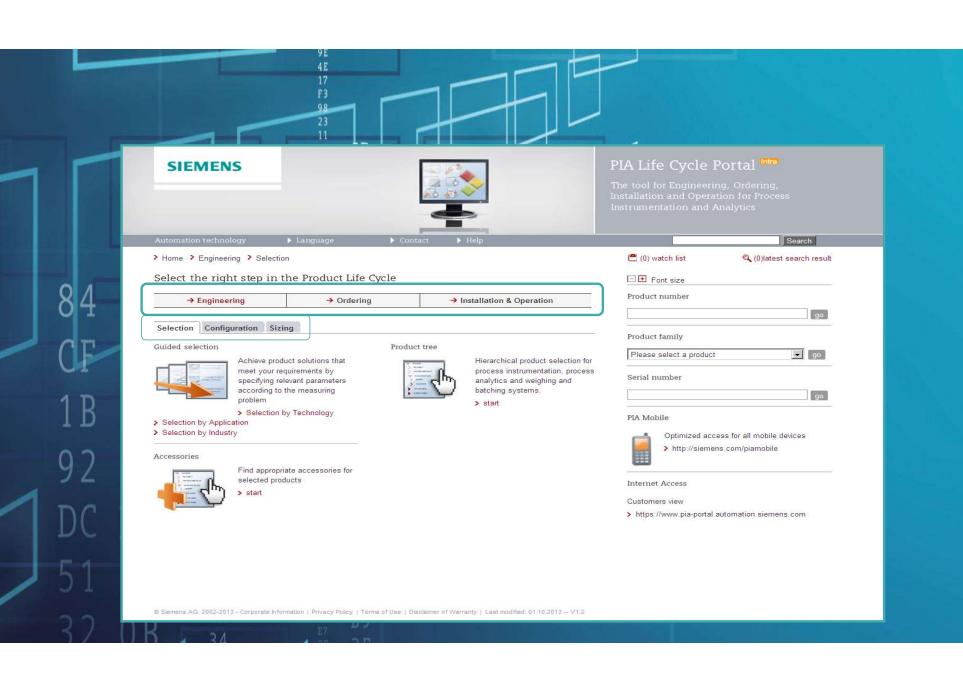


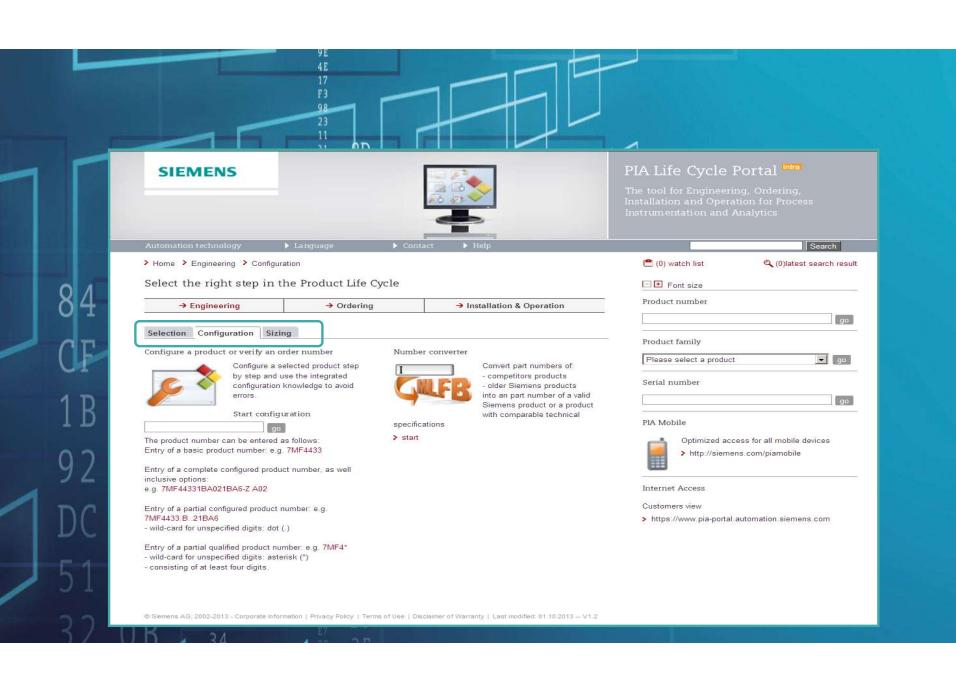
Equipment and **spare parts**



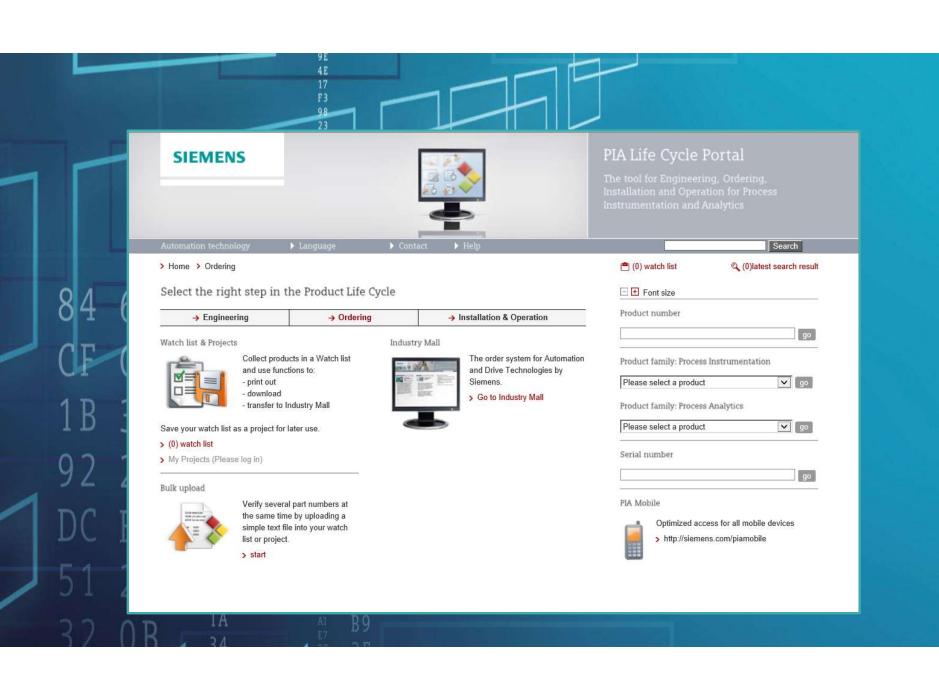




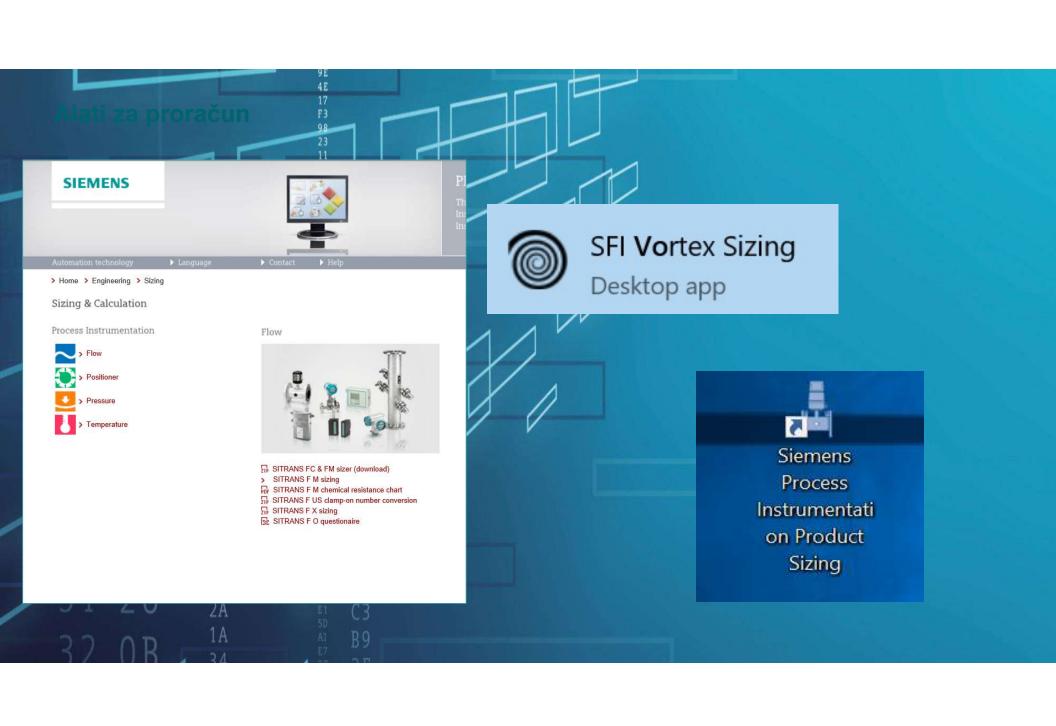








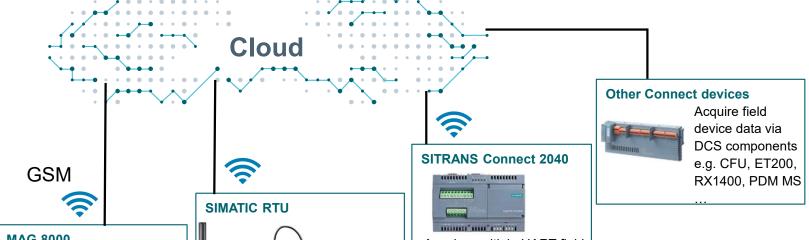




SITRANS Connect – preview Connectivity on all automation levels to digitize your plant

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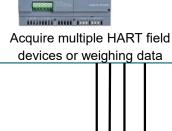
Bluetooth Wireless
4.8 HART

SITRANS Connect 0xx

Integrated short range connectivity for serviceability

Integrated long range connectivity of field devices





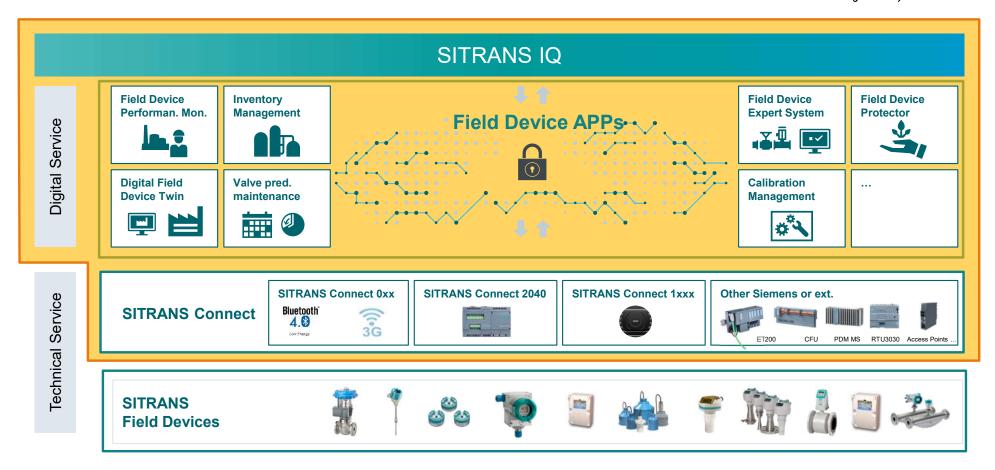
Short Range Wireless

Getting the measurement data

NOA Connectors

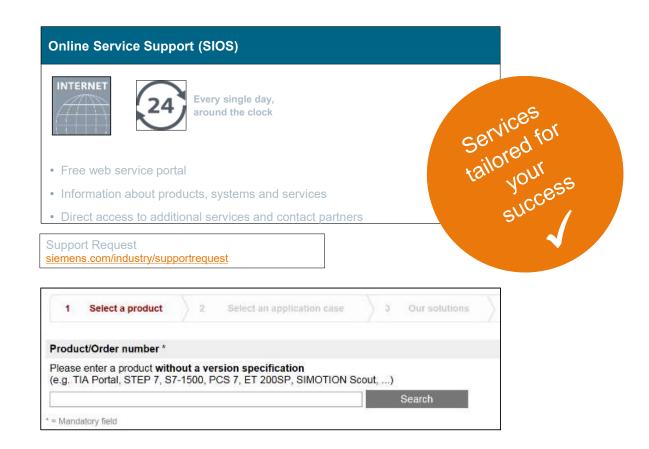


SITRANS IQ – Our digital field device platform for performance, efficiency and reduced downtime across the life cycle



Support as 24/7 online services or online call-back services to ensure uptime of your assets.

















Get the most out of social media by reposting content to your LinkedIn page.

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Simplify your life

3

The source for your complete integration from sensor to cloud



Conquer harsh and tough conditions

Engineered to perform in your most difficult applications

Evolve your business

Digitalization brings the critical field data where it is needed, unlocking hidden and unknown opportunities



Protect your investments

People, processes, equipment and business. Certifications like SIL, internal monitoring and remote testing provides peace of mind.

Trailmalina.

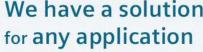


International content out on it

■milior development from brightness



SITRANS point level switches



Solids, liquids, slurries or interface?

Configurations with approvals and options for your application needs



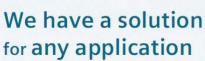














PI workshop for specialist 24-ti april

Pitanja







Hvala!

