VALTORNE

PG-200

Precision you can read.
Data you can trust.

The new digital pressure gauge from Valtorne Instruments: laboratory accuracy, six years on one battery and a direct line to your control system.

Global launch · 2 February 2027 · Vufflens-la-Ville



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From dial to data



Mechanical gauge PI-204 on a WFI loop: read by eye, logged by hand.

1.2 million mechanical gauges installed in Swiss and German process plants that Valtorne serves

38 % of manual rounds find at least one gauge unreadable, misread or out of tolerance

4.5 h per technician and week spent walking, reading and transcribing gauges

0 data points reach the control system from a mechanical gauge

Meet the PG-200

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Transflective 1.9-inch display
readable in sun and at 3 m

316L housing, IP68
hygienic, laser-marked tag

Armoured sensor cable
up to 30 m to the process

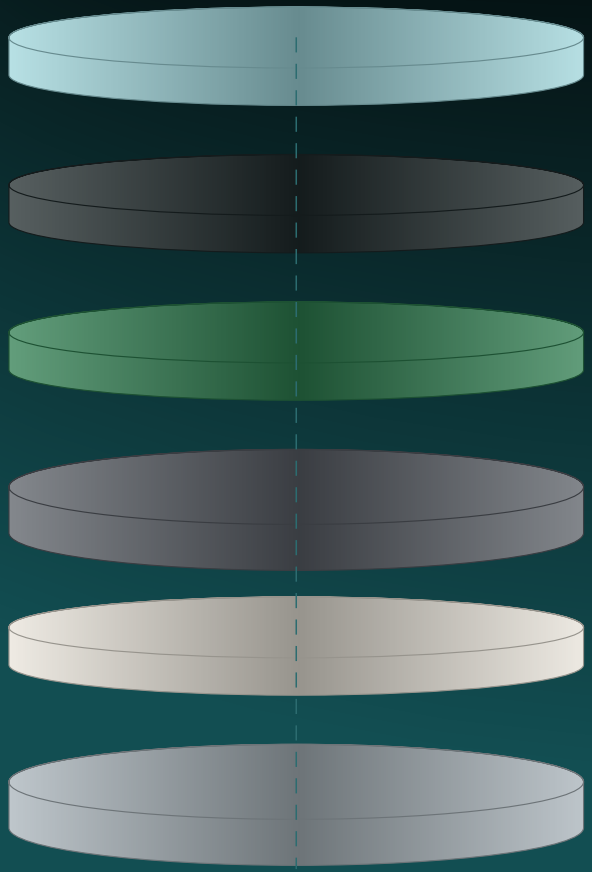


Knurled stainless bezel
turn to select unit and zero

Glove-friendly button
wakes, logs and pairs

Radio inside
plus 4–20 mA and Modbus RTU

Inside the PG-200



Sapphire cover glass
1.5 mm, anti-reflective both sides

Transflective display
1.9 in, 240 × 240, −40 °C cold start

Main board
32-bit microcontroller, radio, 4–20 mA output stage

Lithium cell
3.6 V, 8.5 Ah: six years at one reading per second

Ceramic capacitive sensor
Al_2O_3 diaphragm, ±0.025 % FS, overload 3×

316L housing, G½ connection
laser-welded, IP68, hygienic finish

Designed in Vufflens-la-Ville

Sensor cells are grown, sintered and laser-trimmed in our own ceramic line.

Every gauge is calibrated at 11 pressure points and 5 temperatures before shipping.

The calibration certificate travels with the gauge: scan the tag, download the PDF.

Key specifications

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±0.025 %
of full scale, total probable error at 20 °C

–1 … 1000
bar, 14 ranges, gauge and absolute

6 years
battery life at one reading per second

IP68
housing, 2 m for 30 days; 316L wetted parts

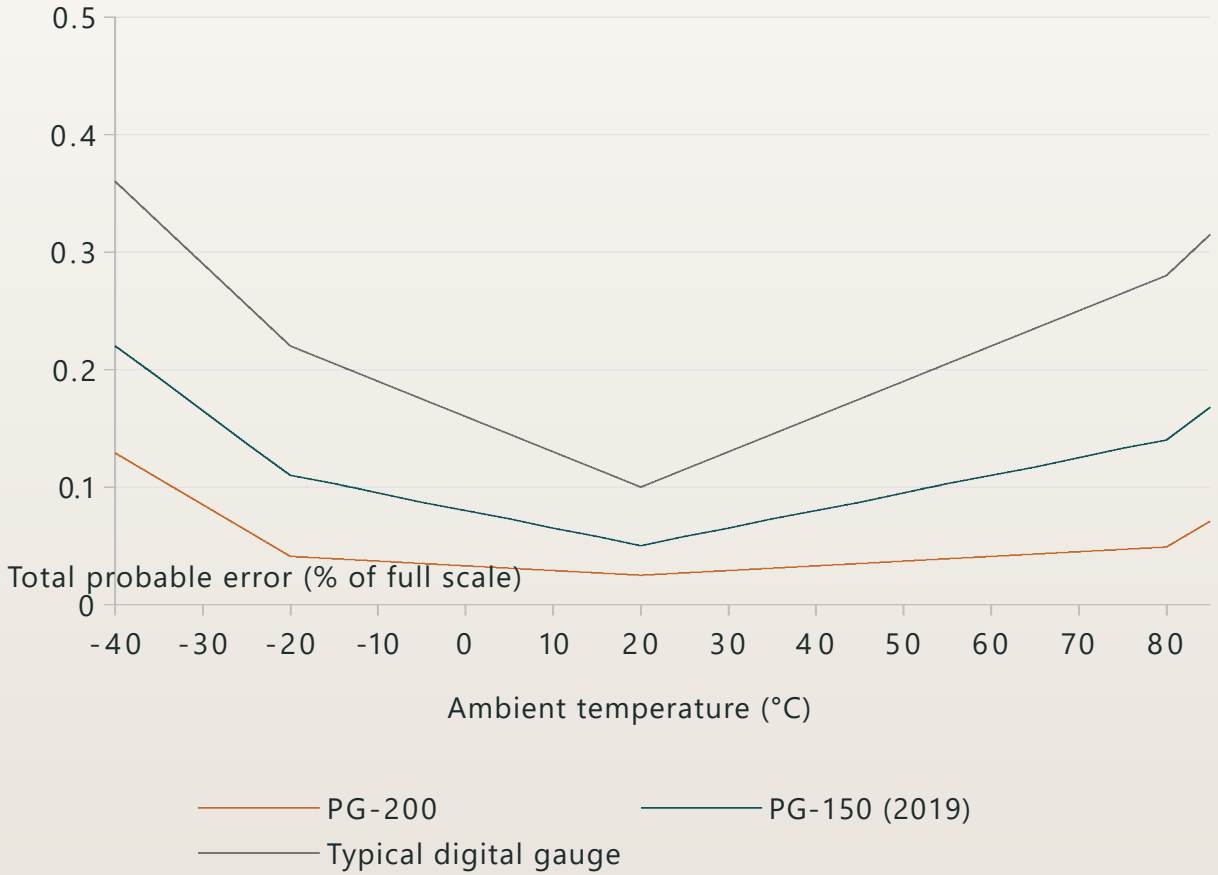
–40 … +85
°C operating, compensated –20 … +80 °C

100 Hz
sampling for pressure peaks and water hammer

3 outputs
radio, 4–20 mA and Modbus RTU in one housing

2 years
recommended recalibration interval

Accuracy over the full temperature range



0.06 %

worst case PG-200
at −40 °C and +85 °C

4 ×

better than PG-150
across the range

0.6 %

mechanical class 0.6
at 20 °C, off the chart

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Built for the field

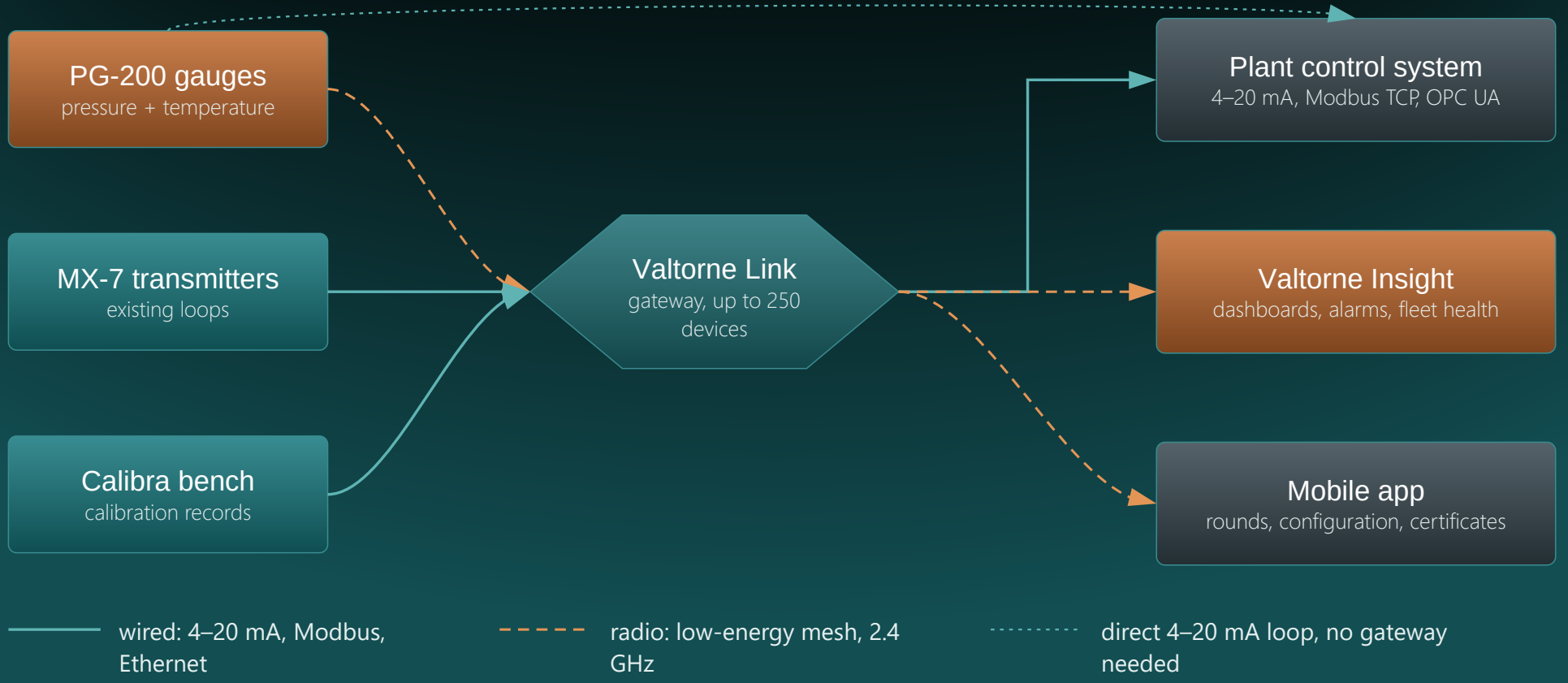
Thirty-eight years of Valtorne instruments in power stations, chemical plants and clean rooms went into one gauge.



PG-200 against the alternatives

	PG-200	PG-150 (2019)	Mechanical gauge, class 0.6	Typical digital gauge
Accuracy at 20 °C	**±0.025 % FS**	±0.05 % FS	±0.6 % FS	±0.1 % FS
Ranges	**−1 … 1000 bar**	0 … 600 bar	0 … 1600 bar	−1 … 700 bar
Display	**1.9 in transflective**	Segment LCD	100 mm dial	Segment LCD
Battery life	**6 years**	2 years	–	1–3 years
Outputs	**Radio, 4–20 mA, Modbus**	4–20 mA	none	4–20 mA or radio
Housing	**316L, IP68**	316L, IP67	Steel, IP65	Aluminium, IP65
Data logging	**2 million points**	50 000 points	–	on some models
Calibration certificate	**digital, per gauge**	paper, per batch	optional	optional
List price (CHF)	**from 690**	590	120–260	450–900

One gauge, a whole ecosystem



Three ways to buy

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ESSENTIAL

CHF **690**

per gauge

- ±0.025 % sensor, display
- 4–20 mA output
- Digital certificate
- 2-year warranty

Most chosen in pilots

CONNECT

CHF **890**

per gauge

- Everything in Essential
- Radio and Modbus RTU
- Valtorne Link pairing
- Insight dashboards, 1 year
- 5-year warranty

FLEET

CHF **1,090**

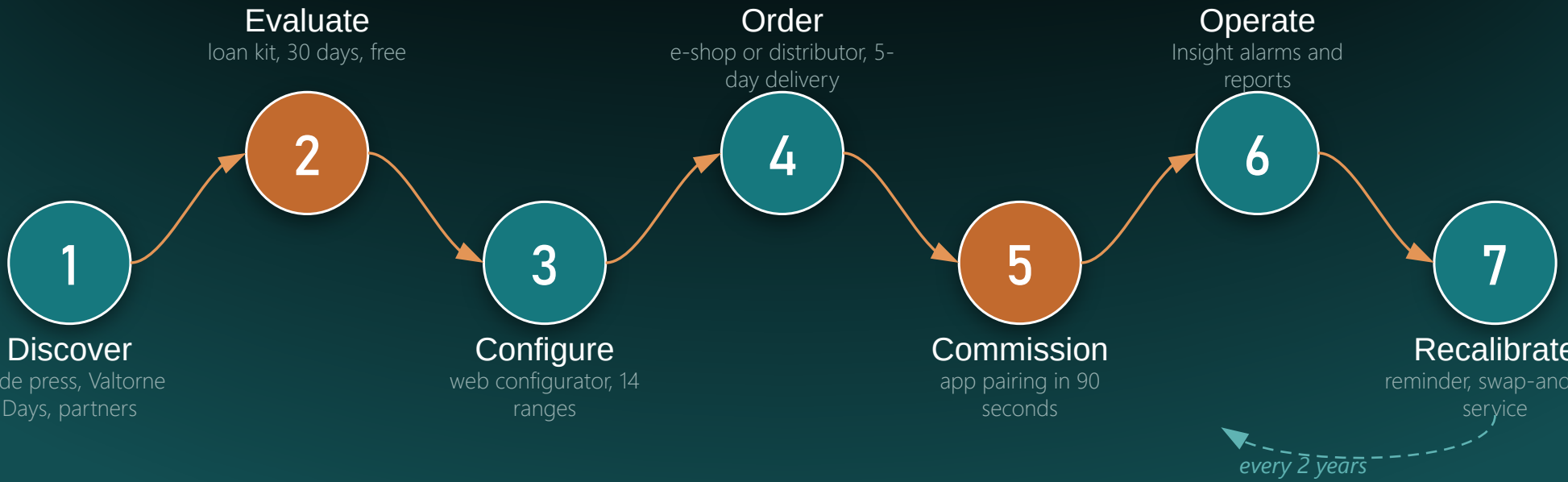
per gauge, from 50

- Everything in Connect
- Fleet health analytics
- On-site commissioning
- Recalibration service plan
- Dedicated account engineer

Prices excluding VAT, ex works Vufflens-la-Ville. Volume discounts from 25 gauges; framework agreements on request.

The customer journey we designed for

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Loan kit conversion
71 % of pilot loans became orders

Time to first reading
under 2 minutes from unboxing

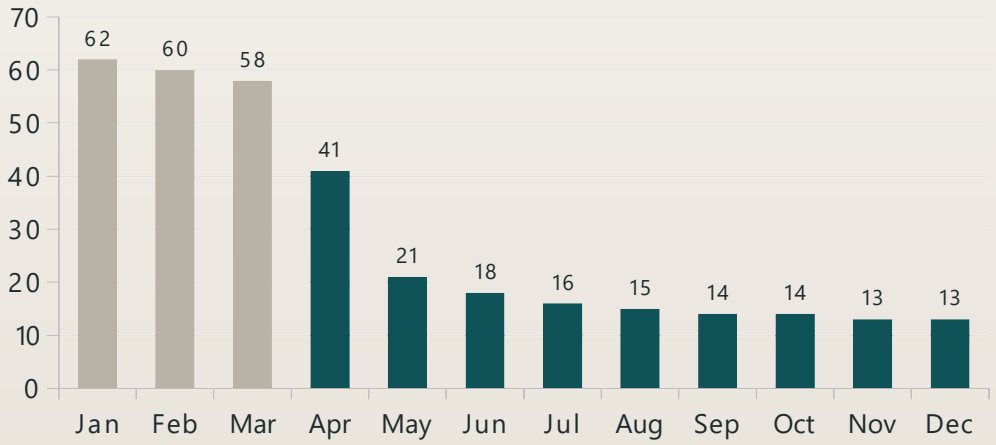
Recalibration retention
target 85 % stay on the service plan

Pilot results: Hydro Val-Sorne, Les Ecots

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48	gauges in the power house
9	months, April to December 2026
1.9 m	readings sent to the control room
3	seal leaks found before an alarm

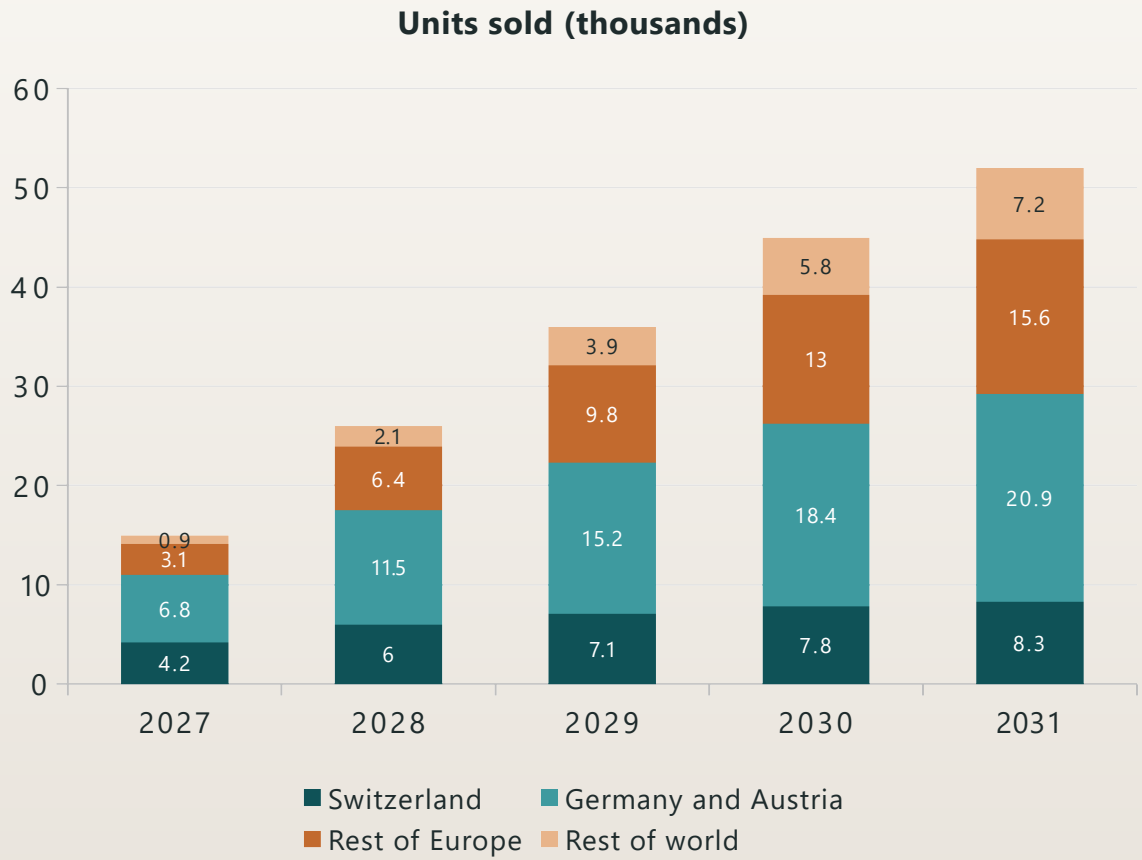
Technician hours per month on gauge rounds, 2026

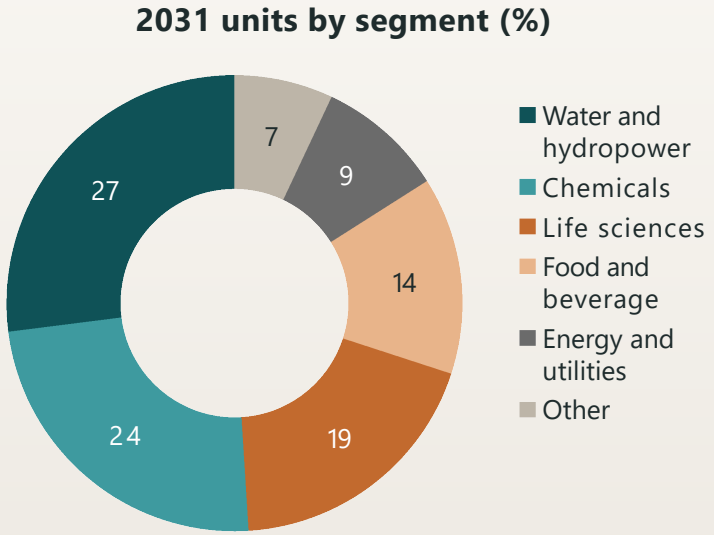


> We used to send a technician through the power house twice a day with a clipboard. Now the gauges talk to the control room, and the technician goes where the data says something is changing.
>
> Laurent Bovay
>
> Head of Maintenance, Hydro Val-Sorne SA

Installation in April (grey bars before). Hours fell by 78 % from the Q1 average; the three seal leaks were found on the Francis unit 2 cooling water circuit, on pressure trends alone.

Market and five-year forecast

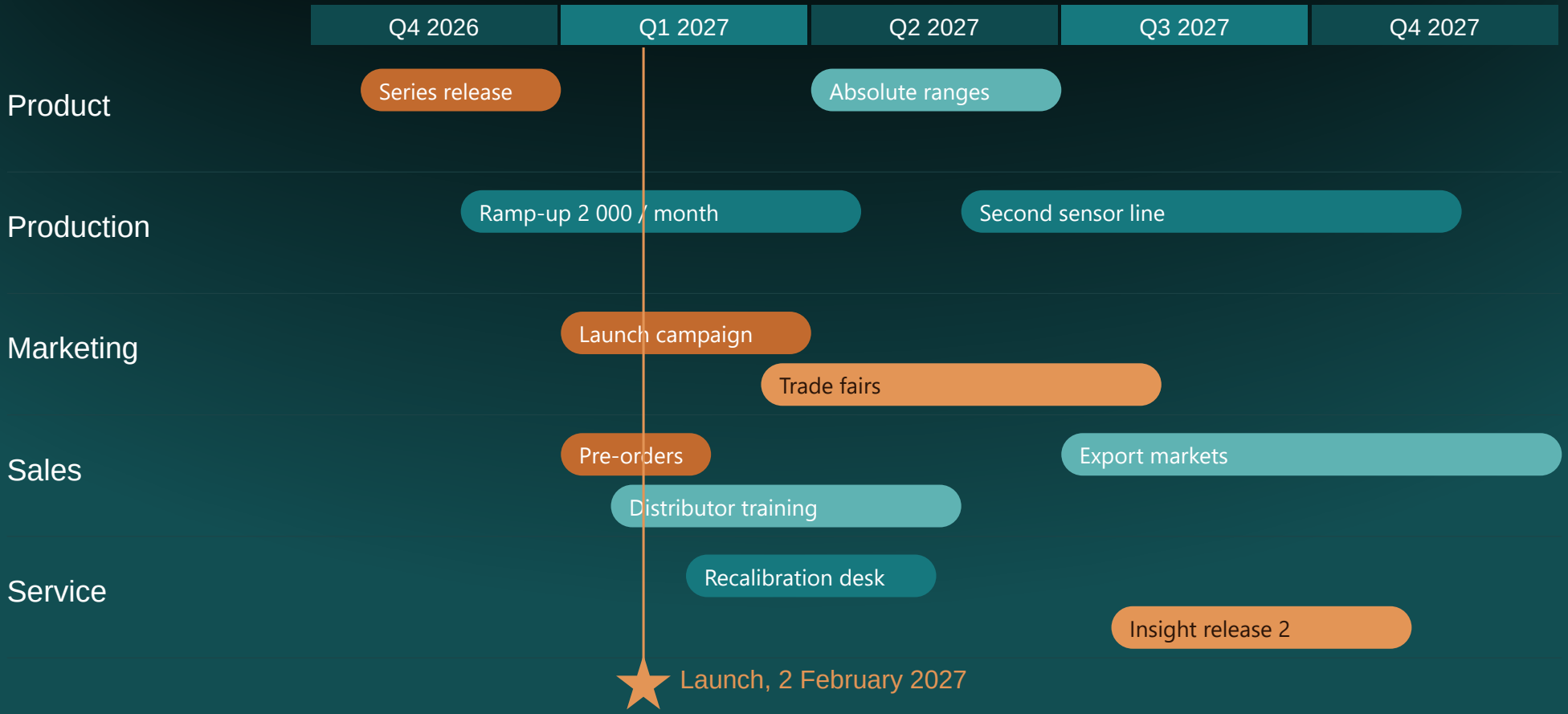




CHF 42.6 m

revenue in 2031 at an average CHF 820 per gauge, 9 % of group revenue; break-even in the second half of 2028.

Launch plan


Q4 2026
Q1 2027
Q2 2027
Q3 2027
Q4 2027
Product
Series release
Absolute ranges
Production
Ramp-up 2 000 / month
Second sensor line
Marketing
Launch campaign
Trade fairs
Sales
Pre-orders
Export markets
Distributor training
Service
Recalibration desk
Insight release 2
Launch, 2 February 2027

How to order: one code, every option

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PG200 – **R14** – **G4** – **C2** – **T1**

PRODUCT · RANGE · CONNECTION · OUTPUTS · OPTIONS

Example

PG200-R14-G4-C2-T1

0 … 1000 bar, G½ male, 4–20 mA and radio, with temperature sensor.

Code	Range
R01	−1 … 0 bar
R06	0 … 10 bar
R10	0 … 100 bar
R14	0 … 1000 bar

Code	Connection
G4	G½ male
N4	½ in NPT
T2	Clamp 1½ in
F5	Flange DN25

Code	Outputs
C1	4–20 mA
C2	4–20 mA + radio
C3	Modbus RTU + radio
C4	all three

Code	Options
T1	Pt1000 temperature
H1	Hygienic polish Ra 0.4
X1	Oxygen service
S1	Sunshade

Lead times and rules

Standard ranges with G4 or N4 connections ship within 5 working days; H1 and X1 options within 15 working days.

X1 oxygen service is available with G4 connections only; T1 is included in all Fleet orders. Fleet framework orders can be called off over 12 months at a fixed price.

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Pre-orders open today

Deliveries from 1 March 2027. Loan kits for qualified projects ship within five working days.

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