EPFL MicroNanoFabrication Annual Review Meeting 25th edition

EPFL CMi - Center of MicroNanoTechnology

VENUE & DATE

STCC
12.05.2026

PRESENTED BY

Philippe Flückiger
Director of Operations

École polytechnique fédérale de Lausanne

EVENT

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EPFL MicroNanoFabrication Annual Review Meeting

Next editions:

11.05.2027 – 26th edition	14.05.2030 – 29th edition	10.05.2033 – 32nd edition
09.05.2028 – 27th edition	13.05.2031 – 30th edition	09.05.2034 – 23rd edition
08.05.2029 – 28th edition	11.05.2032 – 31tst edition	08.05.2035 – 34th edition

VENUE & DATE

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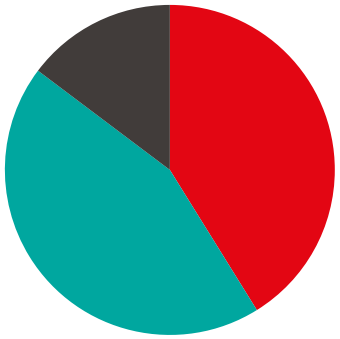
Welcome & thanks

- Welcome to the 25th edition of the CMi MicroNanoFabrication Annual Review Meeting
- 1154 participants registered (with 44% from industry and 41% from EPFL)
- Many thanks for your participation

- Global companies
- Local industry
- Startups
- Suppliers
- Government Agencies
- Researchers
- Faculty members
- Students
- Colleagues from other academic cleanrooms



	949	(82.24%)
	71	(6.15%)
	55	(4.77%)
	13	(1.13%)
	10	(0.87%)
	10	(0.87%)
	8	(0.69%)
	7	(0.61%)
	6	(0.52%)
	5	(0.43%)
	4	(0.35%)
	2	(0.17%)
	2	(0.17%)
	2	(0.17%)
	2	(0.17%)
	1	(0.09%)
	1	(0.09%)
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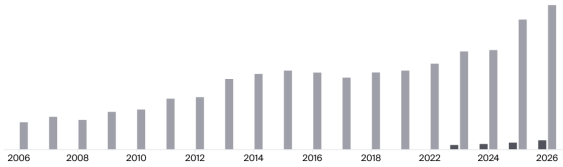
	1	(0.09%)



- The list of participants is available to everyone
- Traveling from 22 different countries
- Fantastic opportunity for networking

EPFL

OUTLINE

Users and Finances

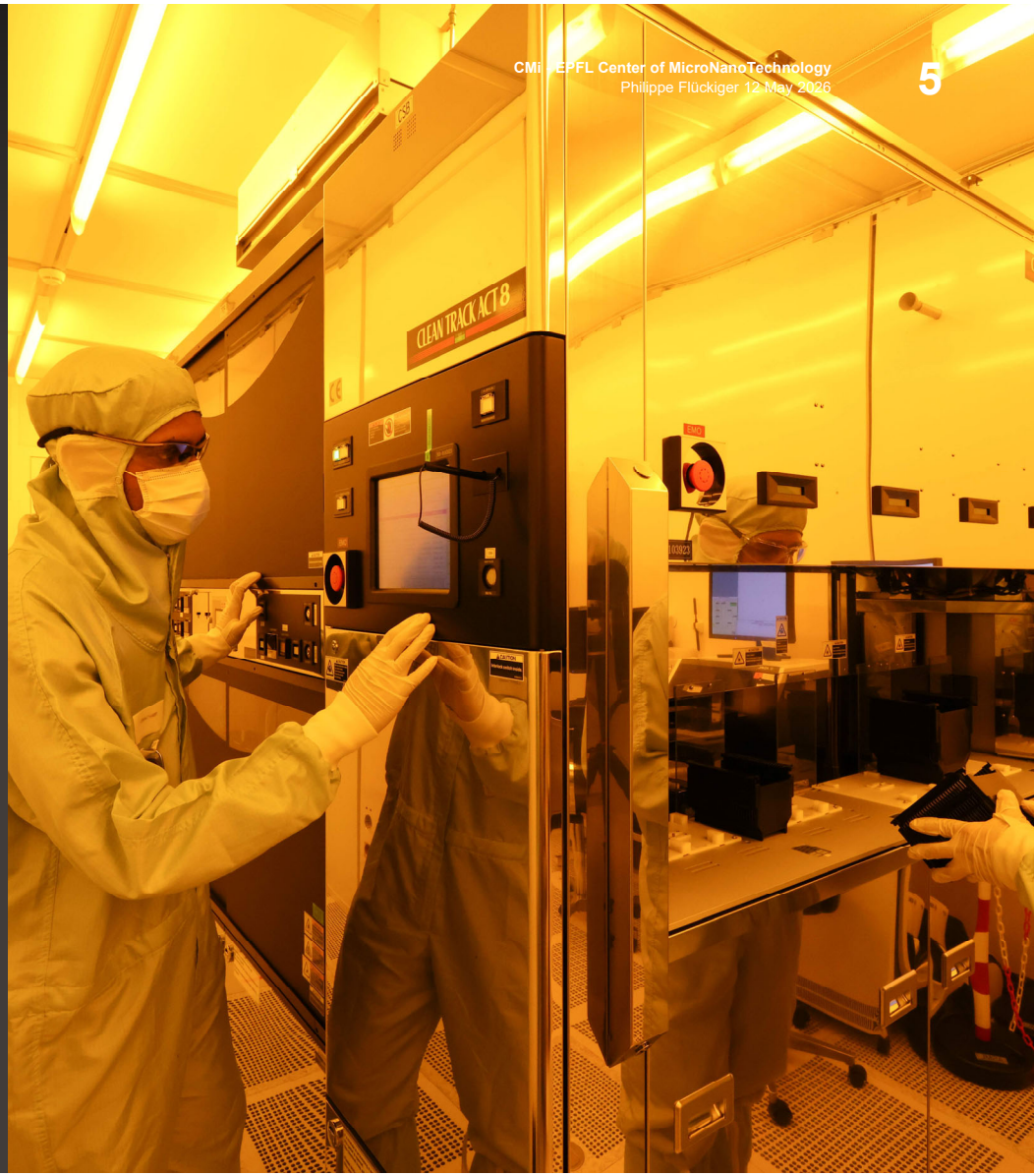
Governance

Staff

Tools

Cleanroom

Projects



USERS IN 2025

Engineering Sc.		Basic Sc.	EPFL various	Ext. Acad.		Companies		
STI-IBI-BIOS	STI-IGM-EMSI	SB-IPHYS-ELEC	Life Sciences	AMI_FR_BioPhysics	Eidikos Logariasmos Kondilion	Advanced Fiber Resources	Lunaphore	Sprygns
STI-IBI-CLSE	STI-IGM-ETA-LAB	SB-IPHYS-GR-GA	SV-BMI-UPLAMANNO	CERN_EP_dept	Kyoto University	Alemnis	Luxtelligence	Swissflex Microcircuits
STI-IBI-LBEN	STI-IGM-INSTANT-L	SB-IPHYS-HQC	SV-GHI-UPKIN	CHUV_CRISP	Koç University	Alpes Lasers	Mackinac	Sy&Se
STI-IBI-LBMM	STI-IGM-LNET	SB-IPHYS-LASPE	SV-IBI-UPDEPLA	CSEM_T1	University of Sussex	Annaida	Magnetfab	TAG Heuer
STI-IBI-LBNC	STI-IGM-LRESE	SB-IPHYS-LPBS	SV-IBI-UPLUT	CSEM_T4		Axetris	MCH-processing	XRnanotech
STI-IBI-LBNI	STI-IGM-MICROBS	SB-IPHYS-LPHE-OS	SV-IBI-UPNAE	CSEM_T5	CH-SCNAT-ETHZ_LFKP	Blösch	Melexis	Xsensio
STI-IBI-LHTC	STI-IGM-NEMS	SB-IPHYS-LPL	SV-ISREC-UPGON	CSEM-Allschwil	CH-SCNAT-UNIGE_GAP	Bruker	MicroElectrodeDevices MED	
STI-IEM-ALCHEMY	STI-IMX-FIMAP	SB-IPHYS-LPQM1	SV-ISREC-UPKARTHAUS	ETHZ_D-BSSE_QDB	CH-SCNAT-UNIGE_Physi	Bühler	Miraex	CH-SCNAT-FemtOprint
STI-IEM-AQUA	STI-IMX-INE	SB-IPHYS-LQP	SV-ISREC-UPRAD	ETHZ_D-ITET_IEF		Confovis	Morphotonix	CH-SCNAT-Hexisense
STI-IEM-BION	STI-IMX-LMGN	SB-IPHYS-LSME		ETHZ_D-ITET_Neuro		Corintis	Nanoworld	CH-SCNAT-Miraex
STI-IEM-GALATEA	STI-IMX-LMOM	SB-IPHYS-LUMES		ETHZ_D-MAVT_IEPE_		Creal	Neurosoft Bioelectronics	
STI-IEM-HYLAB	STI-IMX-LMSC	SB-IPHYS-SQIL	Architecture, Civil and	ETHZ_D-PHYS_IQE		Deeplight	Novagan	
STI-IEM-LAFT	STI-IMX-LP	SB-ISIC-LAS	Environmental Engineering	ETHZ_D-PHYS_LFKP		Edwatec	Oxford Ionics Limited	
STI-IEM-LAI	STI-IMX-SMAL	SB-ISIC-LCS	ENAC-IIC-AS	HE_Arc_Ie_Locle		FEMTOprint	Parithera	
STI-IEM-LANES	STI-IMX-SML	SB-ISIC-LNCE	ENAC-IIE-GR-LUD	HES-SO-GE_inSTI		Focuslight	Piemacs	
STI-IEM-LAPD	STI-INX-CHEMINA	SB-ISIC-LNQ		HES-SO-NE_HEARC		FoXmat	Q.ANT	
STI-IEM-LEAP	STI-INX-LSBI	SB-ISIC-LPDC		Metas		Freshape	Quantum Brand Protection	
STI-IEM-LMIS1	STI-SCI-AXS	SB-ISIC-LPI	Centers and Platforms	PSI_LNQ		Gersteltec	Richemont	
STI-IEM-LPMAT	STI-SEL	SB-ISIC-LSCI	AVP-CP-ECO	PSI_TOMAC		Hexisense	Richemont (2)	
STI-IEM-LPQM2	STI-SMT-GE	SB-SCI-RH	VPA-VP-APR	UNIFR_Chemistry		IBM Research	Rolex	
STI-IEM-LWE	STI_SMT-TP1	SB-SPC-II		UNIGE_DPNC		ID Quantique	Safran Timing Technologies	
STI-IEM-NAM	STI_SMT-TP2			UNIGE_DQMP		II-VI Laser Enterprise	SamanTree Medical	
STI-IEM-NANOLAB				UNIGE_GAP		Indie	Senbiosys	
STI-IEM-PHOSL				UNIGE_Physique		Inf.BR Treinamento e Seriços	Sigatec	
STI-IEM-POWERLAB				UNIL_GTF		Ligentec	SM-ABDAD Consulting	
STI-IEM-PV-LAB				UNINE		Lightium	Snap WaveOptics	
STI-IEM-SCI-SC				UNIZH_IBT		LSPR	SoHHytec	
49 (379)		21 (132)	12 (18)	34 (57)		63 (158)		

# of laboratories
# of users

- Total: 654 users belonging to 179 laboratories or companies
- Each cell represents a laboratory headed by a Professor (STI/SB/SV/IC/ENAC)

USERS IN 2025

Engineering Sc.		Basic Sc.	EPFL various	Ext. Acad.		Companies		
STI-IBI-BIOS	STI-IGM-EMSI	SB-IPHYS-ELEC	Life Sciences	AMI_FR_BioPhysics	Eidikos Logariasmos Kondilion	Advanced Fiber Resources	Lunaphore	Sprygns
STI-I	STI-I-LAB	SB-IPHYS-GA	SV-BMI-UPLAMANNO	CERN_EP_dept	Kyoto University	Alemnis	Luxtelligence	Swissflex Microcircuits
STI-I	STI	SB-IP	SV-G	CHUV_CRISP	Koç University	Alpes Lasers	Mackinac	Sy&Se
STI-I	STI	SB-IP	SV-IB	CSEM_T1	University of Sussex	Annaida	Magnetfab	TAG Heuer
STI-I	STI	SB-IP	SV-IB	CSEM_T4		Axetris	MCH-processing	XRnanotech
STI-IBI-LBNI	STI-IGM-N	SB-IPHYS-L	SV-IB	CSEM_T5	CH-SCNAT-ETHZ_LFKP	Blösch	Melexis	Xsensio
STI-IBI-LHTC	STI-IGM-NEMS	SB-IPHYS-LPL	SV-ISREC-U	CSEM-Allschwil	CH-SCNAT-UNIGE_GAP	Bruker	MicroElectrodeDevices MED	
STI-IEM-ALCHEMY	STI-IMX-FIMAP	SB-IPHYS-LPQM1	SV-ISREC-UPKARTHAUS	ETHZ_D-BSSE_QDB	CH-SCNAT-UNIGE_Physi	Bühler	Miraex	CH-SCNAT-FemtOprint
STI-IEM-AQUA	STI	SB-IPHYS-LQP	SV-IS	ETHZ_D-ITET_IEF		Confovis	Morphotonix	CH-SCNAT-Hexisense
STI-IEM-BION	STI	SB-IPHYS-LSME		ETHZ_D-ITET_Neuro		Corintis	Nanoworld	CH-SCNAT-Miraex
STI-IEM-GALATEA	STI	SB-IPHYS-LUMES		ETHZ_D-MAVT_IEPE_		Creal	Neur electronics	
STI-IEM-HYLAB	STI	SB-IPHYS-SQIL	Arch	ETHZ_D-PHYS_IQE		Deeplight	Nova	
STI-IEM-LAFT	STI IMX-LP	SB-IS	Environmental	ETHZ_D-PHYS_LFKP		Edwatec	Oxfo	
STI-IEM-LAI	STI-IMX-SMAL	SB-IS	ENAC	HE_Arc_le_Locle		FEMTOprint	Parit	
STI-IEM-LANES	STI-IMX-SML	SB-IS	ENAC	HES-SO-GE_inSTI		Focuslight	Pien ics	
STI-IEM-LAPD	STI-INX-CHEMINA	SB-IS		HES-SO-NE_HEARC		FoXmat	Q.ANT	
STI-I	STI-INX-LSBI	SB-IS		Metas		Freshape	Quantum Brand Protection	
STI-I	STI-SCI-AXS	SB-ISIC-LPI	Cen	PSI_LNQ		Gersteltec	Richemont	
STI-I	STI-SEL	SB-ISIC-LSCI	AVP-CP-ECO	PSI_TOMAC		Hexisense	Richemont (2)	
STI-I	STI-SMT-GE	SB-SCI-RH	VPA-	UNIFR_Chemistry		IBM Research	Rolex	
STI-IEM-LWE	STI_SMT-TP1	SB-SPC-II		UNIGE_DPNC		ID Quantique	Safran Timing Technologies	
STI-IEM-NAM	STI_SMT-TP2			UNIGE_DQMP		II-VI Laser Enterprise	SamanTree Medical	
STI-IEM-NANOLAB				UNIGE_GAP		Indie	Senbiosys	
STI-IEM-PHOSL				UNIGE_Physique		Inf.BR Treinamento e Seriços	Sigatec	
STI-IEM-POWERLAB				UNIL_GTF		Ligentec	SM-ABDAD Consulting	
STI-IEM-PV-LAB				UNINE		Lightium	Snap WaveOptics	
STI-IEM-SCI-SC				UNIZH_IBT		LSPR	SoHHytec	
49 (379)		21 (132)	12 (18)	34 (57)		63 (158)		

Bio Engineering
Mechanical Engineering
Physics
Global Health
Materials
Swiss Inst. for experimental cancer research
Chemical Sciences and Engineering
Computer & Commn. Sciences
Electrical and Micro Engineering
Civil & Environmental Engineering
CERN CSEM PSI EMPA ETHZ Universities
Startups SMEs Large enterprises

# of laboratories
# of users

- The EPFL laboratories using the CMi belong to 10 EPFL institutes
- External : CERN CSEM EMPA ETHZ UNI (CH and other) + Small SME Global

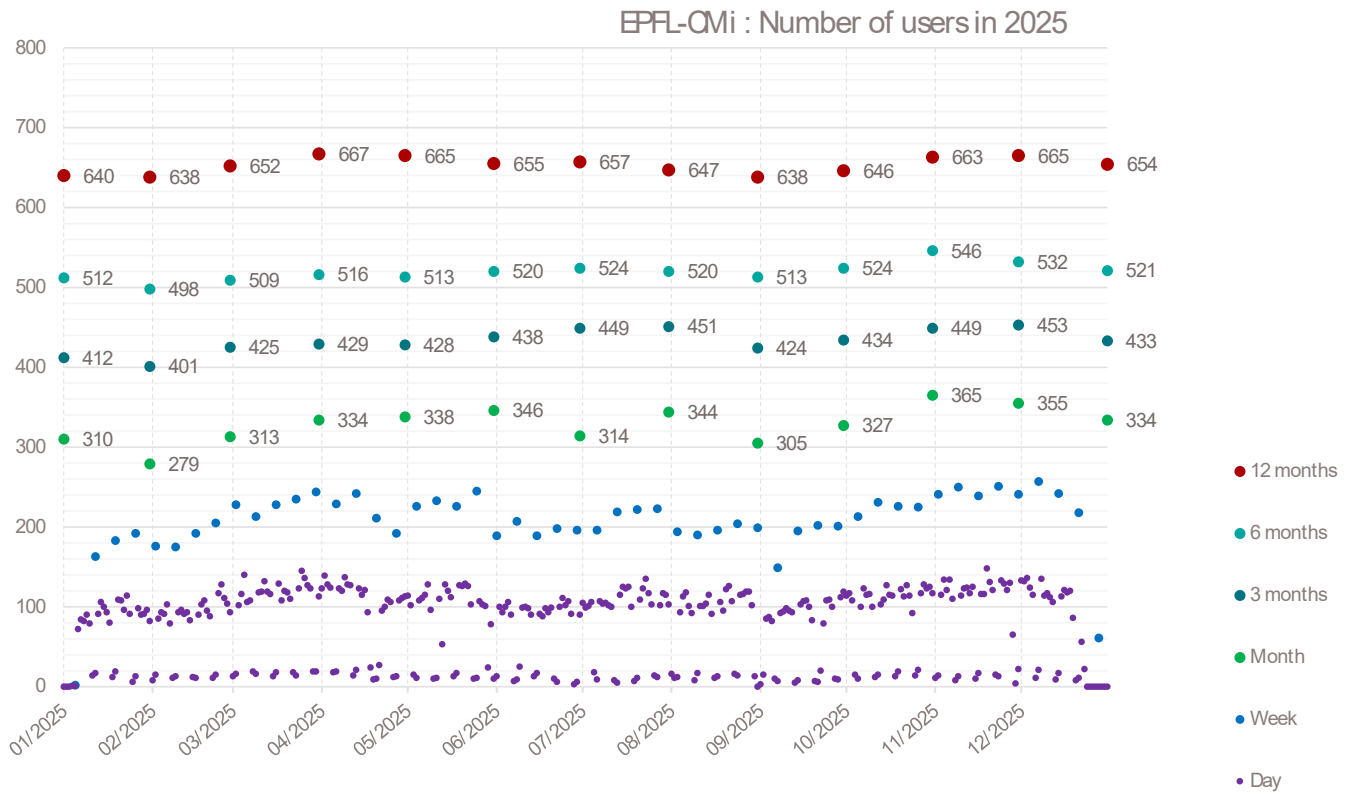
USERS

650 / 12 months

320 / month

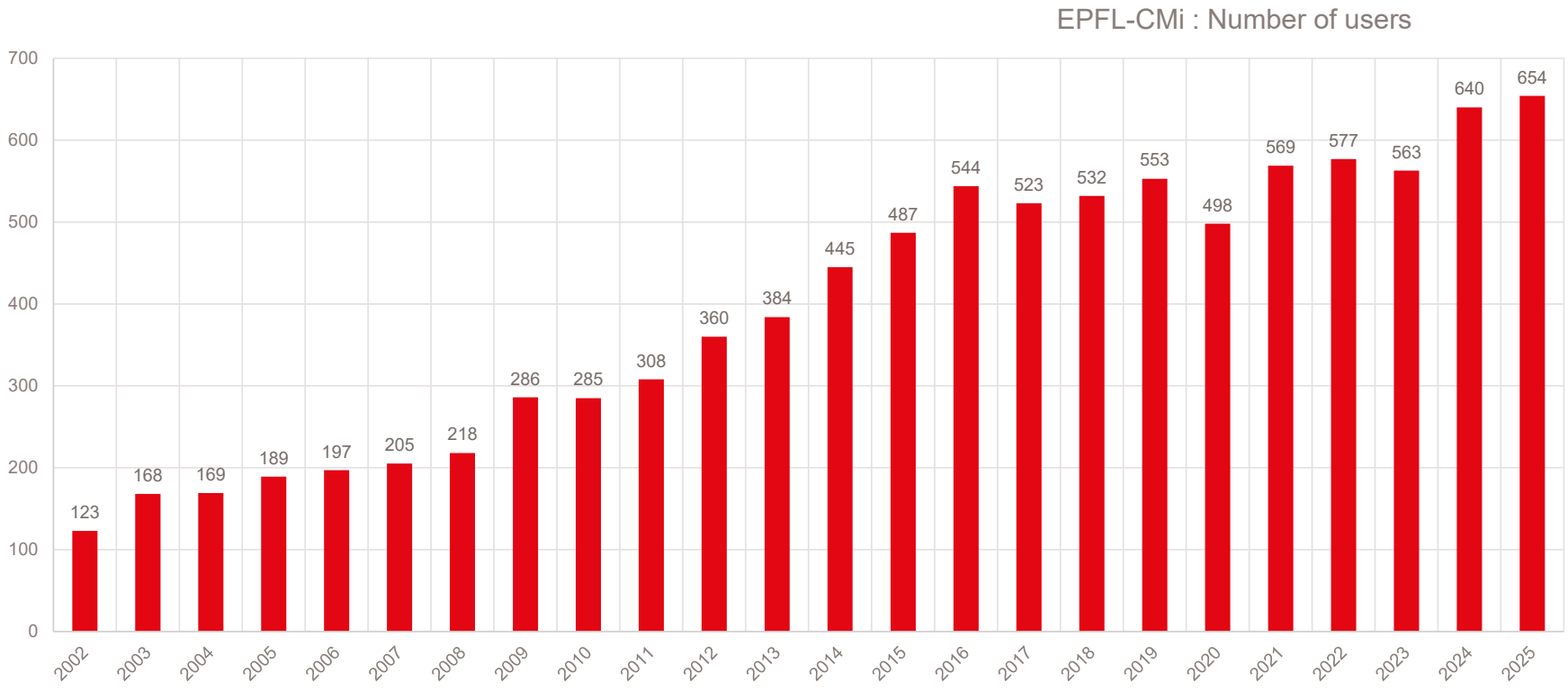
200 / week

100 / day



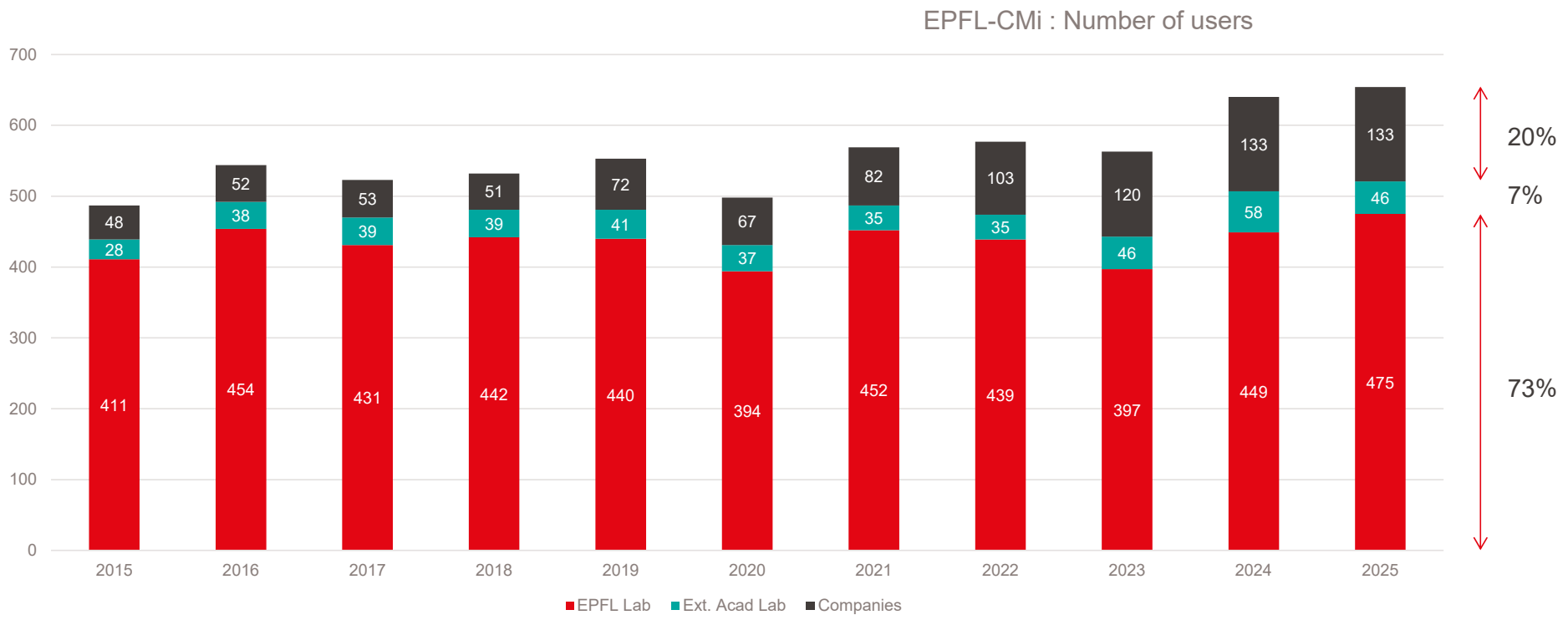
- The number of users is rather stable over the year

USERS



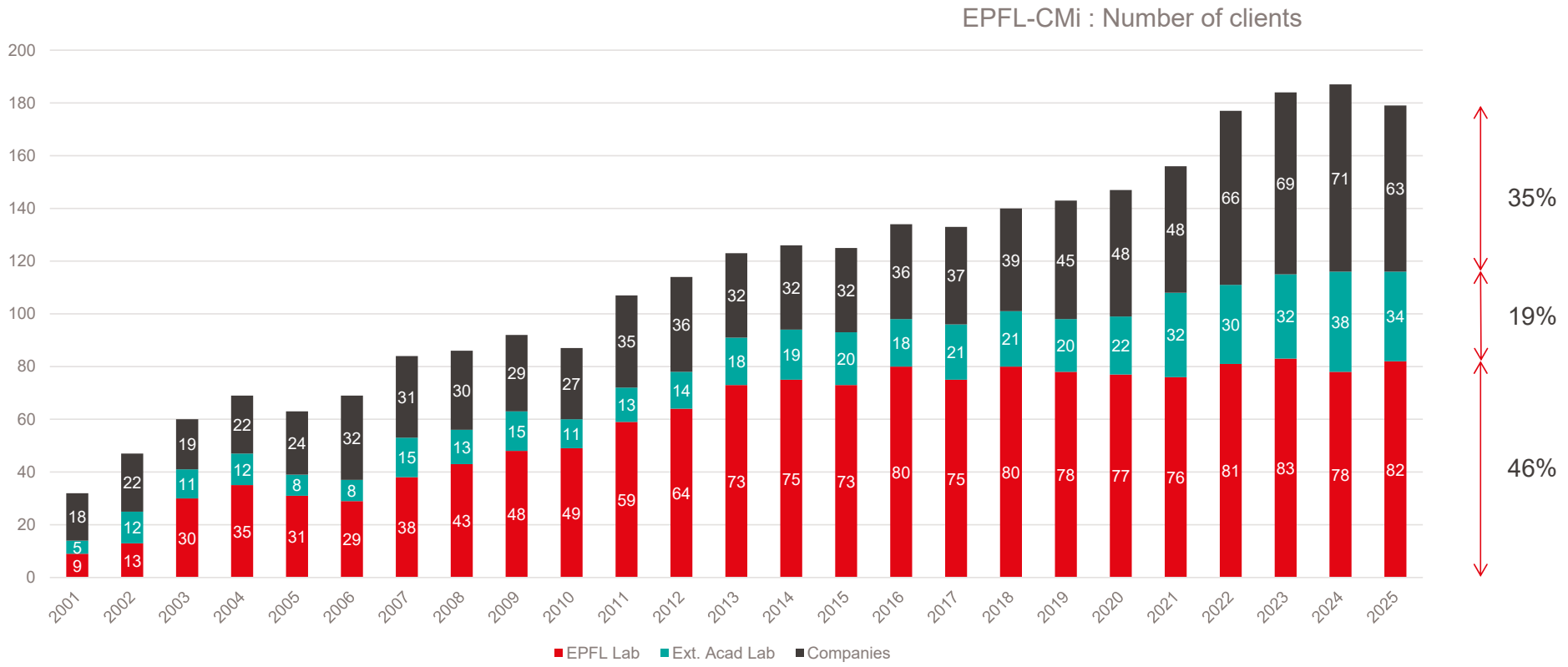
- Evolution of the number of users over the years since 2002
- From 100 to 600 users. New record in 2025 (+2%)

USERS



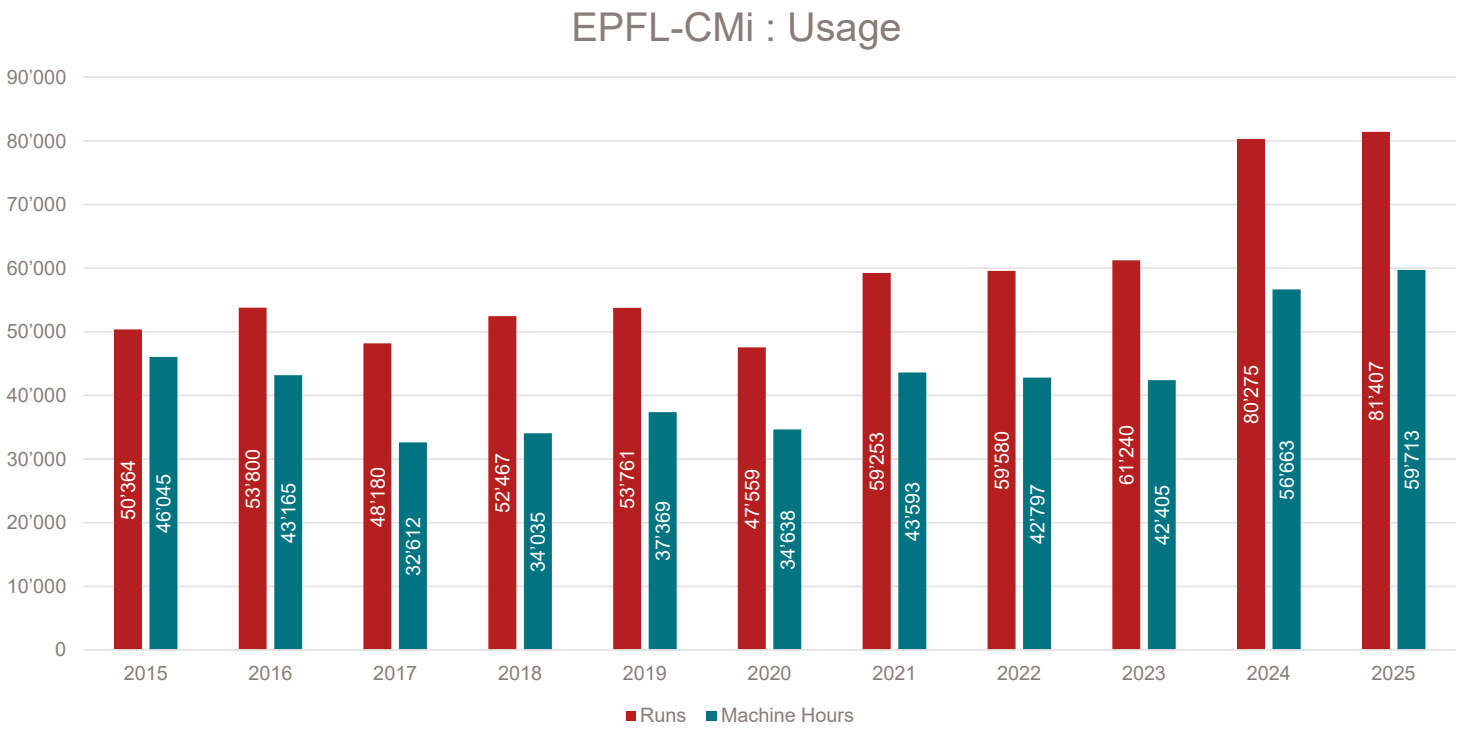
- The number of users per affiliation since 2015
- 73% of our users are from EPFL and 20% are from industry

CLIENTS



- The number of clients per affiliation since 2001
- Client = EPFL Labs, External Academic Labs, Companies

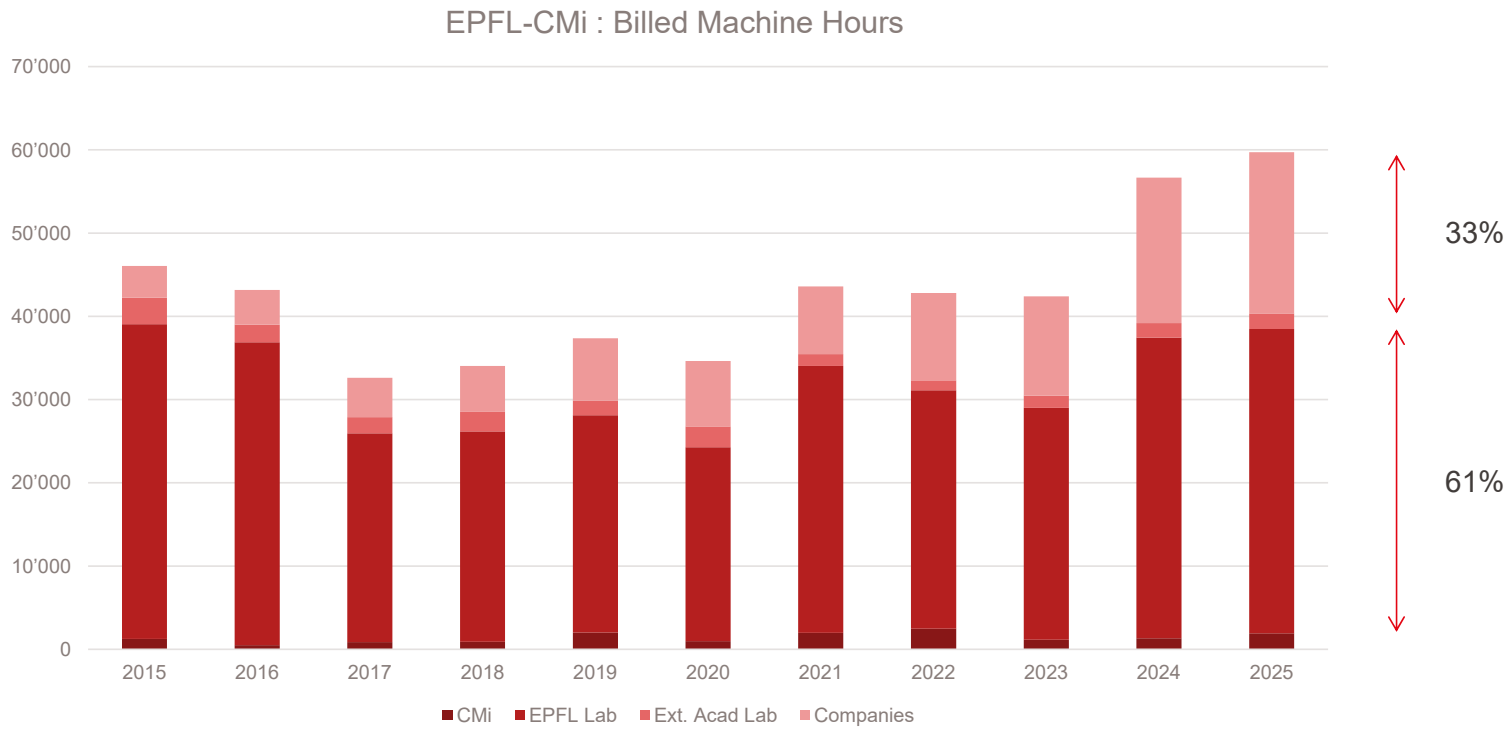
USAGE



- The users generated 81 thousand runs and 60 thousand machine hours in 2025

USAGE

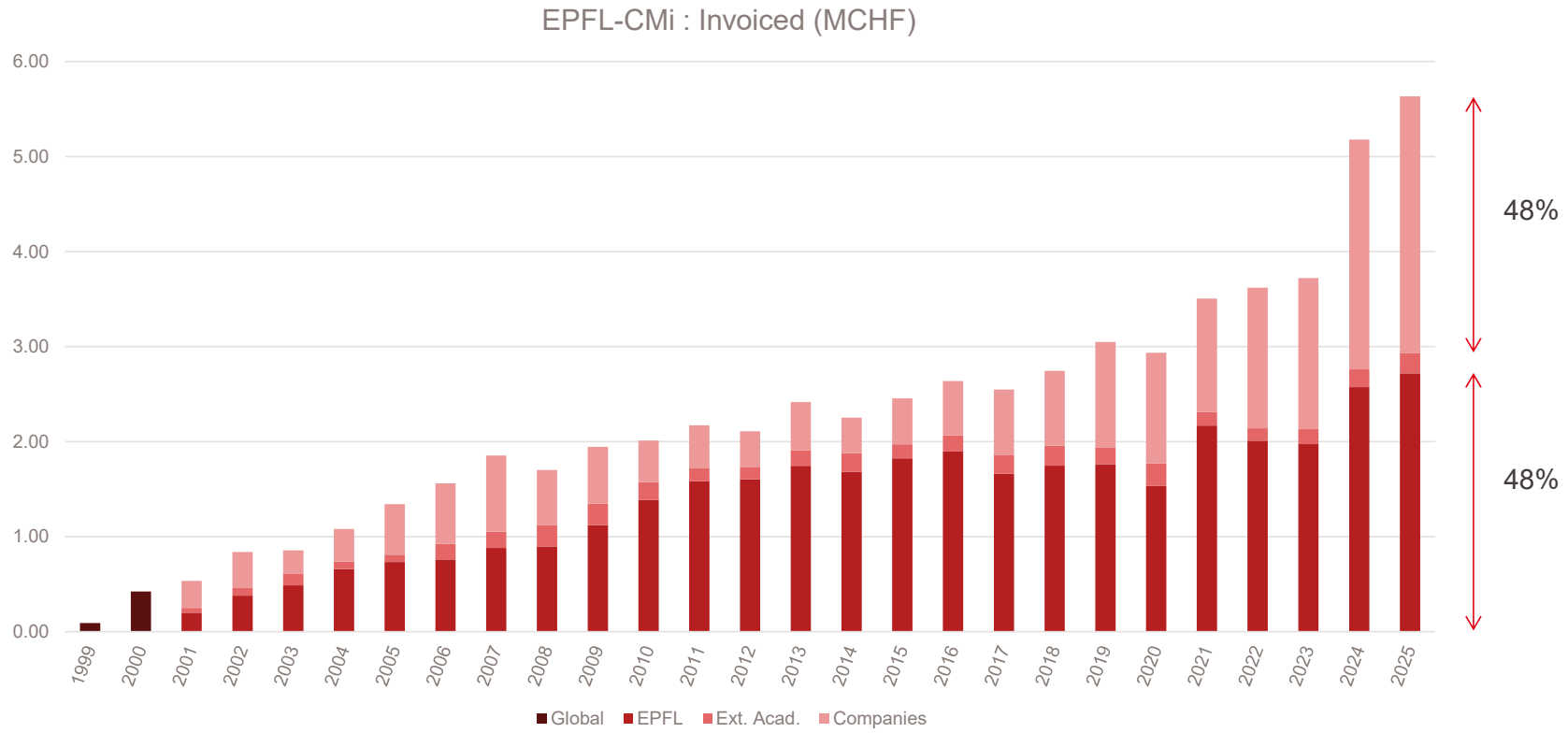
Companies :
Sales = 48%
Usage = 33%



- 61% of the machine hours were billed to EPFL users and 33% to industry

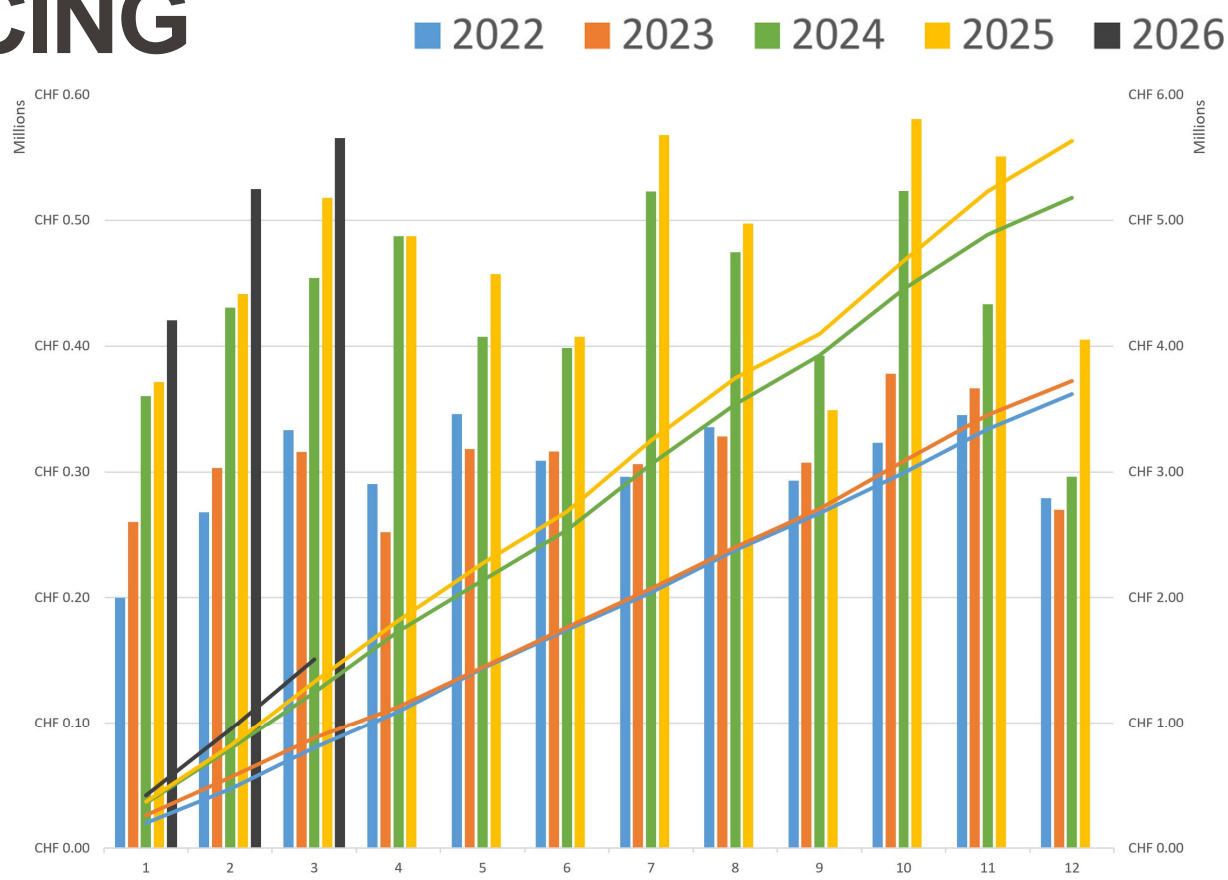
INVOICING

Companies :
Sales = 48%
Usage = 33%



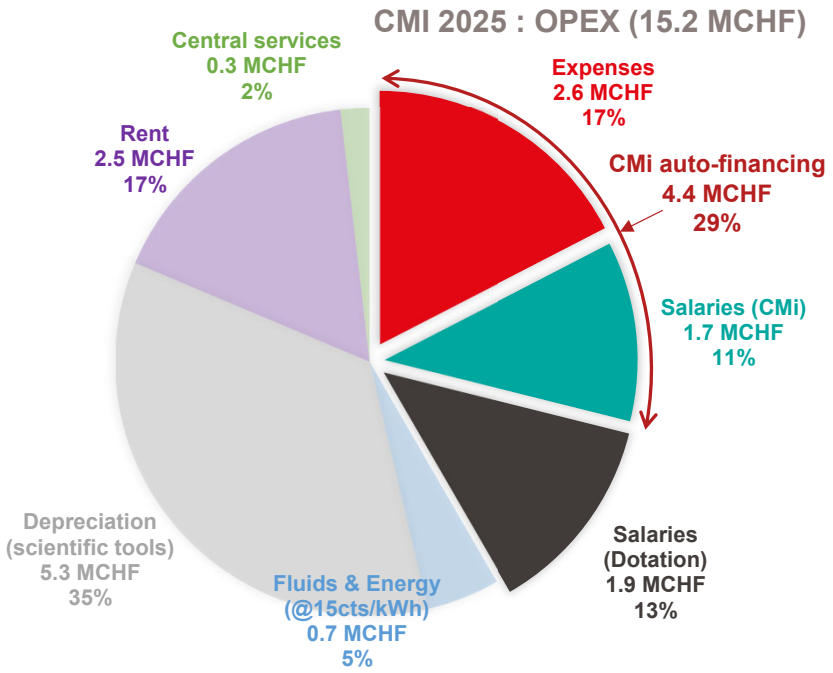
- 5.6 millions CHF were billed to our users in 2025 (+9%)
- 48% were paid by EPFL users and 48% were paid by our industrial users

INVOICING



- The monthly invoicing to the users shows that 2026 is starting well
- In total, the invoicing to all users for Q1 2026 shows a progression of 14%.

OPEX 2025

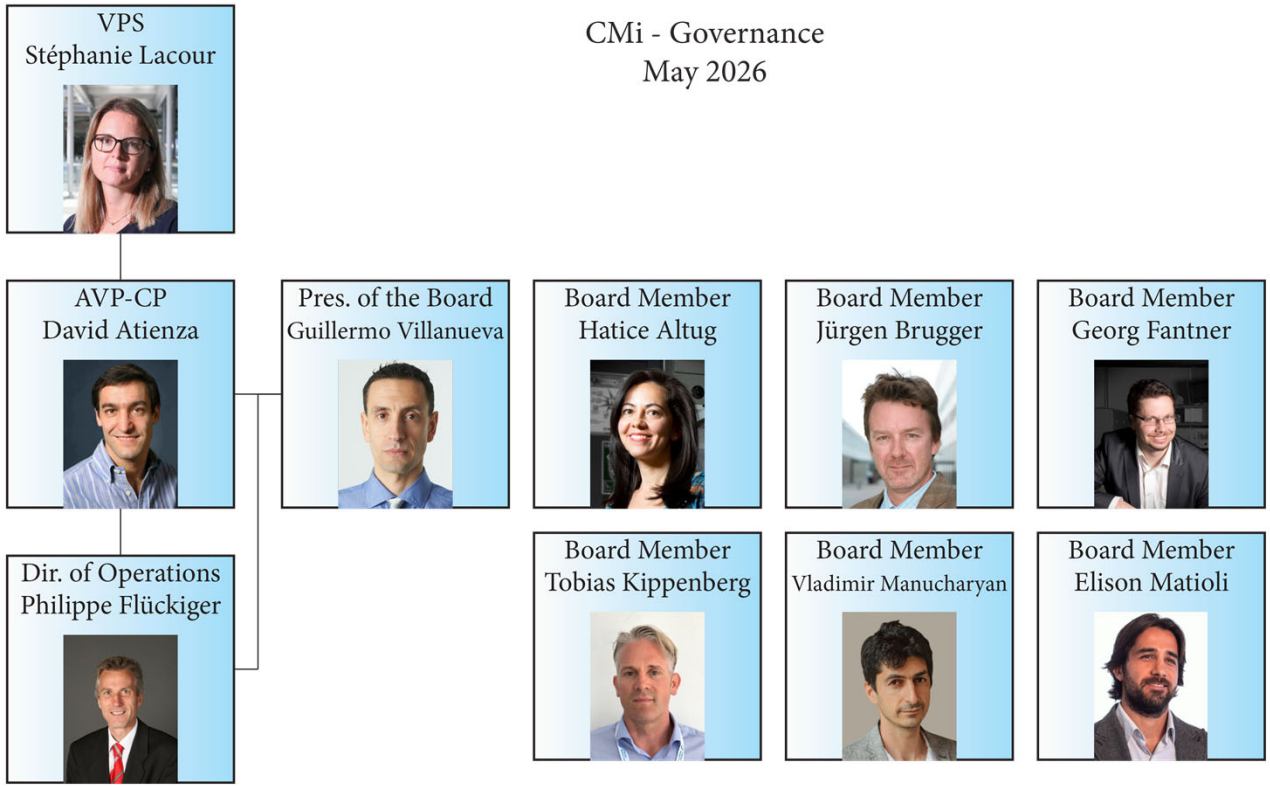


- The calculated OPEX in 2025 reaches 15.2 millions CHF
- The invoicing to the users covers 29% of the OPEX

OPEX

- The invoicing to the users covers 29% of the OPEX
- It covers the direct expenses and 47% of the salaries
- The other 53% of the salaries and the fluids and the energy are paid by the school
- The depreciation is calculated with an amortization in 5 years
- The rent of the building is not paid, but it is calculated according to the CEPF rules.
- Note : The price of the electricity is calculated at an internally agreed rate of 15cts/kWh (which is well below the market price).

GOVERNANCE



Governance

- The CMi reports to our Associate Vice President for Centers and Platforms and Vice President for Support to Strategic Initiatives.
- Our executive board is composed of 7 Professors including our president
- Members nominated for a period of 4 years from
  01.11.2018 until 31.10.2022
  01.11.2022 until 31.10.2026

- CMi reports to Associate VP for Centers and Platforms and VP for Support to Strategic Initiatives
- President of our board : Prof. G. Villanueva

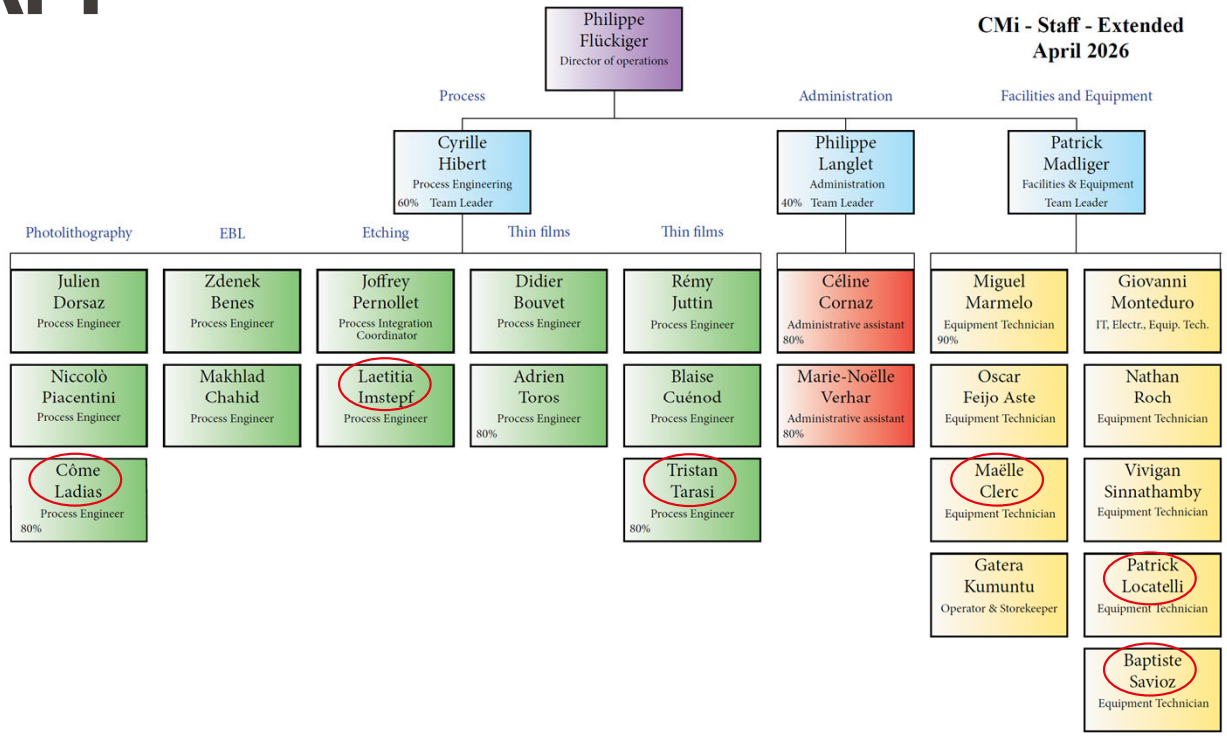
GOVERNANCE

Governance

- The CMi reports to our Associate Vice President for Centers and Platforms
- Our executive board is composed of 9 Professors including our president
- Members nominated for a period of 4 years from 01.11.2018 until 31.10.2022
  01.11.2022 until 31.10.2026

- I would like to extend my special thanks to the President of the Board who invests a great deal of effort and talent in building a promising future for the CMi.

STAFF



Staff

- 27 Staff members
- 24.7 FTE employees
- 6 new colleagues were recently hired
- 22 student ass. are employed part time
- Student assistants represent 2-3 FTE

- Our staff is specialized in Process / Administration / Facilities and Equipment
- Our staff has very few members

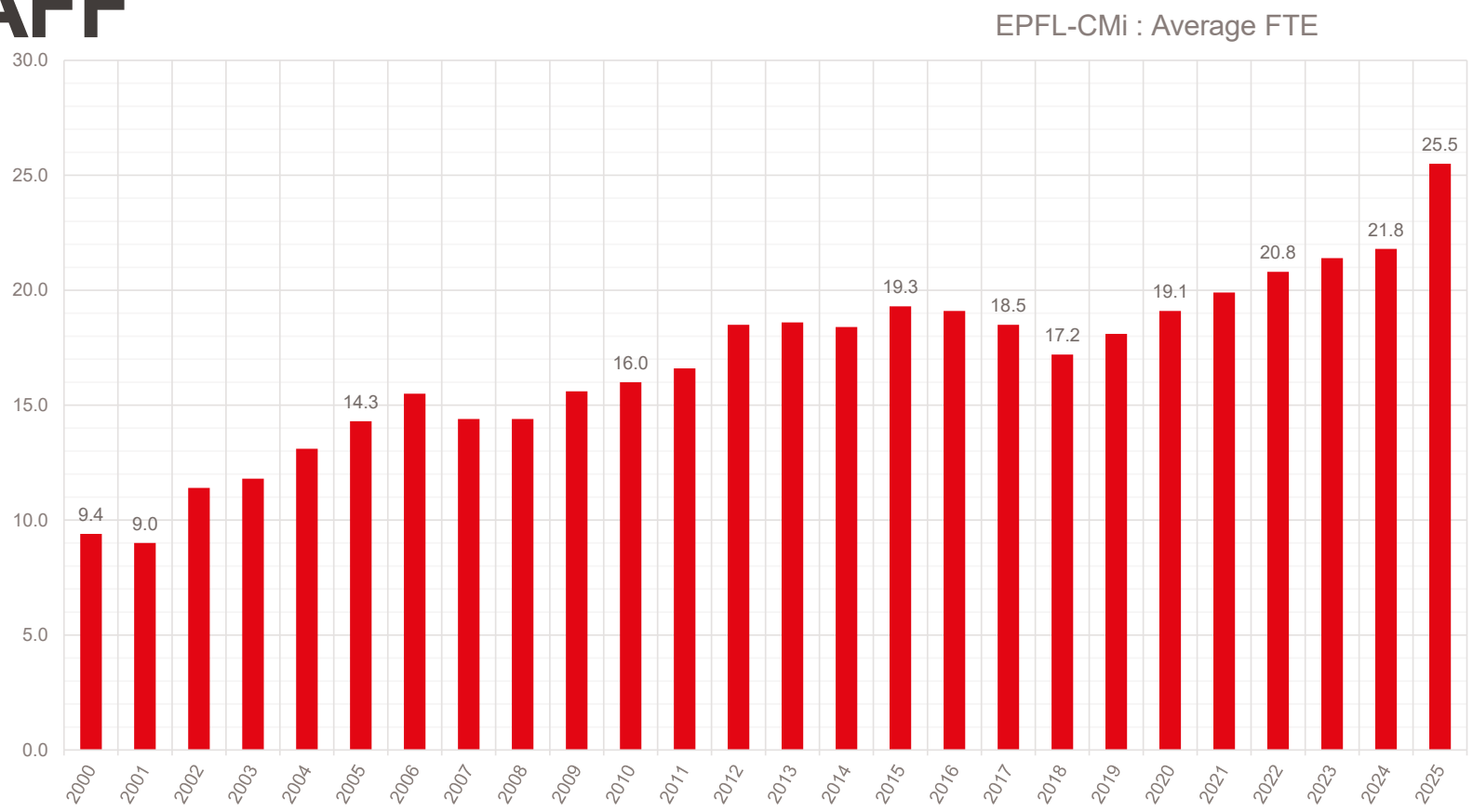
STAFF

Staff

- 27 Staff members
- 24.7 FTE employees
- 6 new colleagues were recently hired
- 22 student ass. are employed part time
- Student assistants represent 2-3 FTE

- The 23 student assistants play an important role in the daily operations
- They provide services and they perform training for the new users

STAFF



- Evolution of the number of FTE since the creation of the CMi.
- The number of FTE is increasing much slower than the users' activity and the number of equipment.

EQUIPMENT RENEWAL / ACQUISITION

→ JST

→ S.P.M S.r.l.

→ S.P.M S.r.l.

2024 : Lift-Off
2025 : Piranha et Solvant
2026 : Métal et Oxides et nettoyage RCA
2026 : 8 fours LPCVD et atmosphériques

Call for tender soon

Call for tender soon

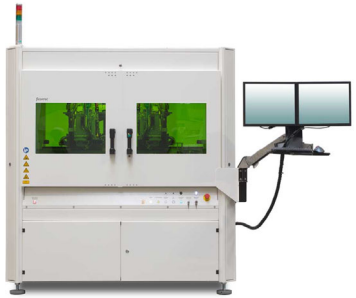
Call for tender soon

→ Centrotherm

- Renewal of 6 wet benches (1998 vintage)
- Renewal of 8 furnaces (1998 vintage)

EQUIPMENT RENEWAL / ACQUISITION

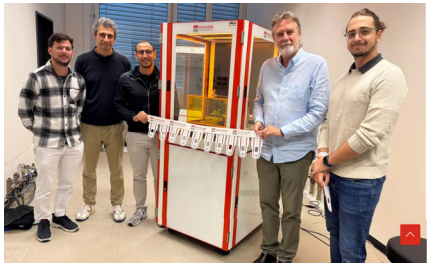
AFM



Assembly tool

ALD
NbN & TiN

Wet bench
Lift-Off



Thermal Scanning Probe
Lithography (t-SPL)

Sputter
NbN, NbTiN, TiN and TaN

ALD
VO2
Al2O3, HfO2, ZrO2, TiN, SiO2

Swiss Cluster

HVCVD BaTiO3 on 200mm

- New tools ordered or already installed

EQUIPMENT RENEWAL / ACQUISITION

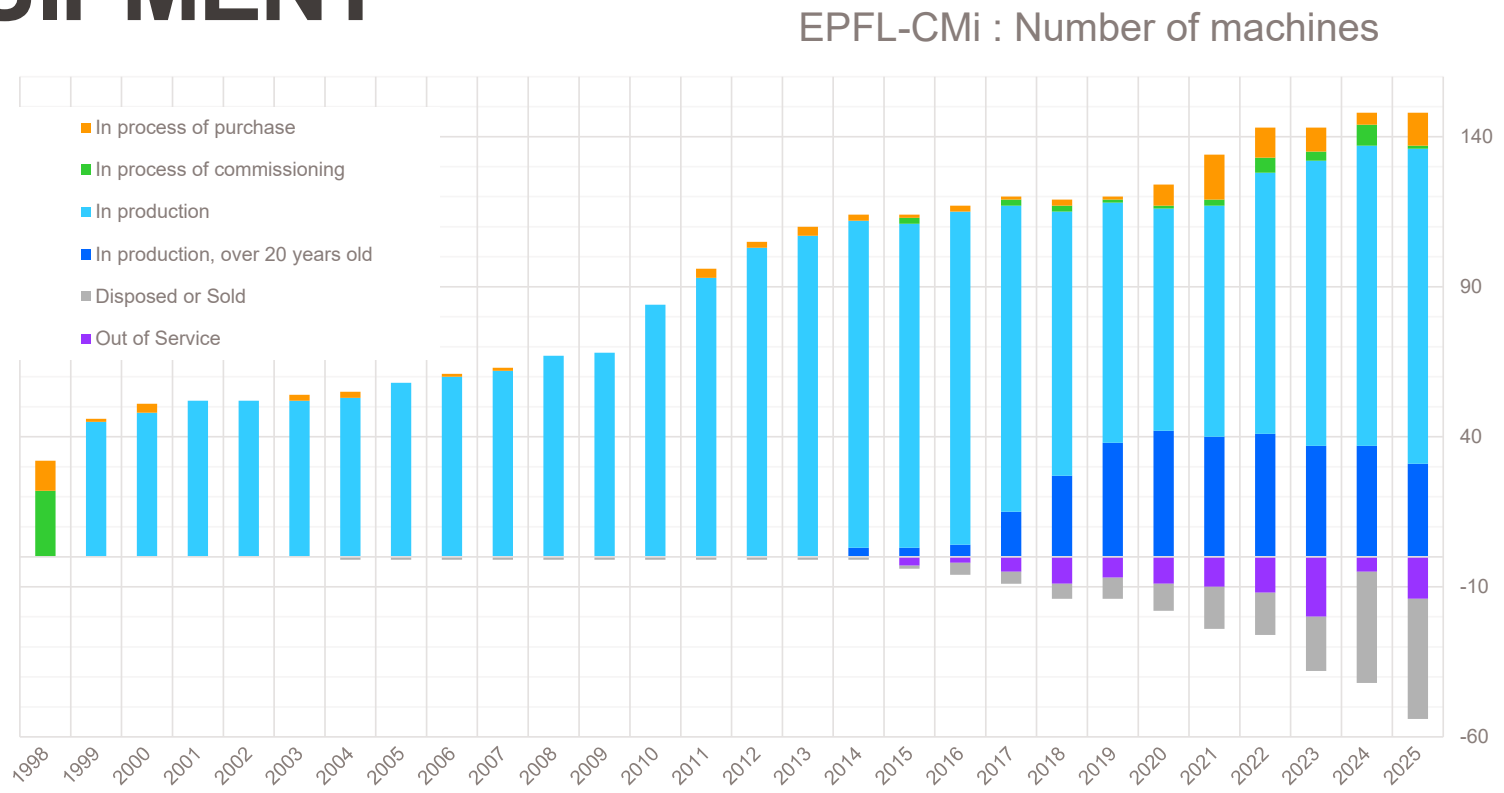
Coming soon …
Call for tender in preparation :

200mm wafers Sputtering tool
5 targets
SNSPD
(Superconducting Nanowire Single-Photon Detectors)
Collaboration with UNIGE (Prof. Korzh)

Atomic layer etching (ALE)
Collaboration with LPQM
(Prof. Kippenberg)

- In discussion …

EQUIPMENT



- 136 machines in production (31/12/2025)
- 12 machines in process of purchase (31/12/2025)

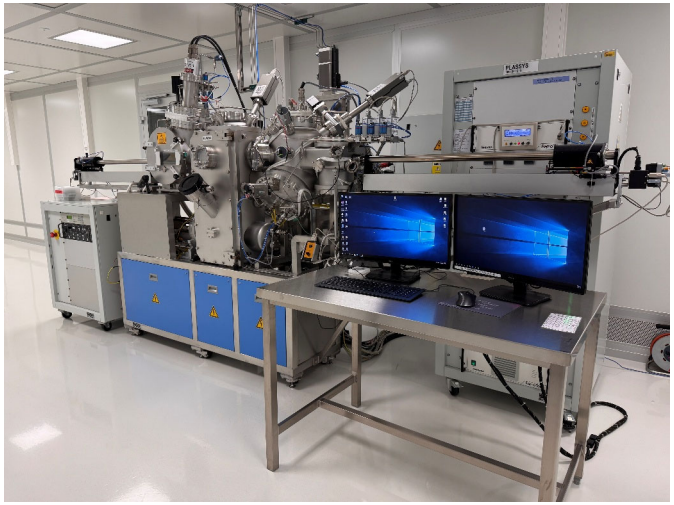
EQUIPMENT

- The value of the equipment reaches 49 MCHF (purchase price)
- 27.8 MCHF granted by ECO over 6 years (2020-2025)

Cleanroom extension in 2025

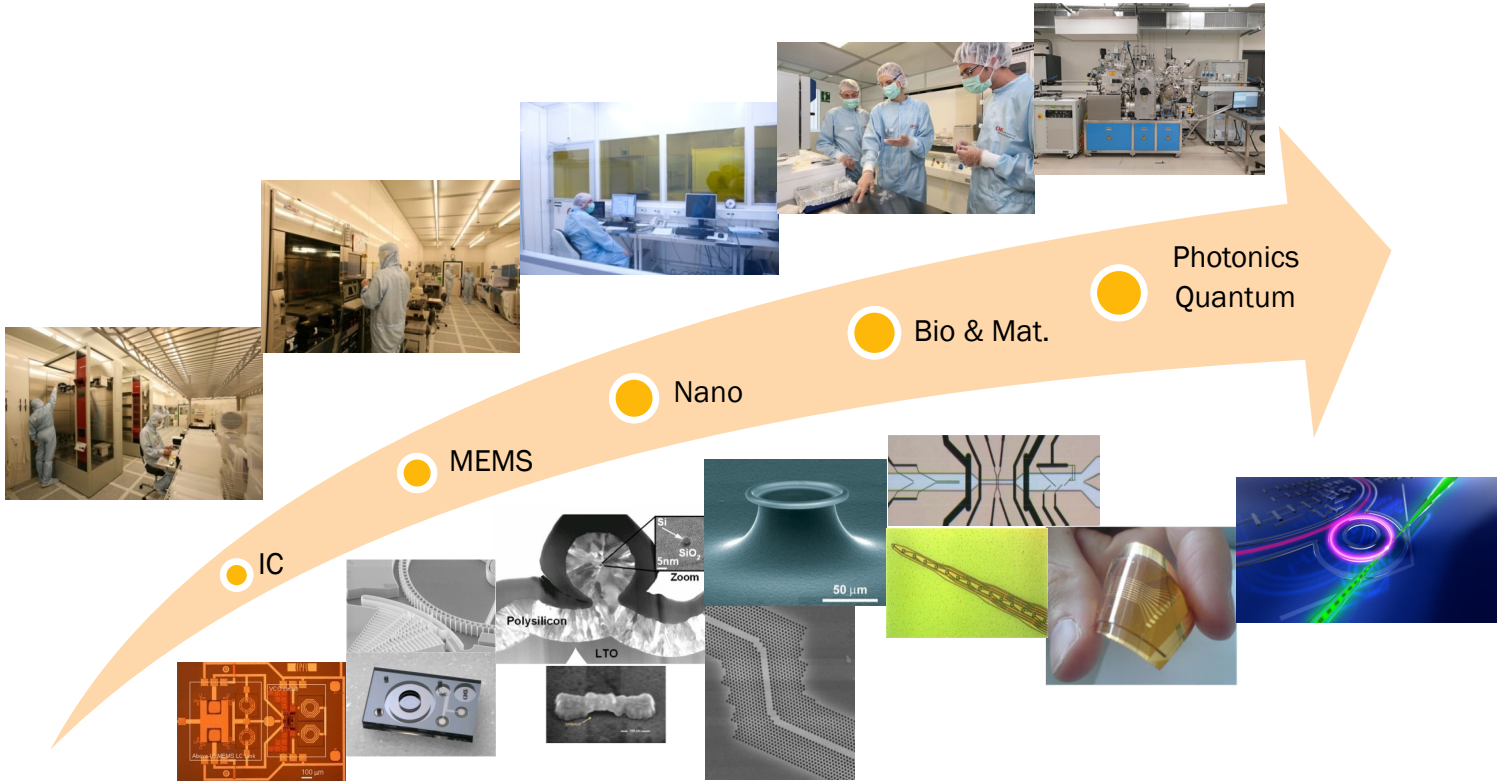
- BM0 at Delivery – October 2025
- 4.5MCHF

BM0 Z21 – Plassys




- 3 PVD tools for the deposition of superconducting materials
- Fabrication of Josephson Junctions

HISTORICAL MILESTONES



- Broadening the CMi offer and the CMi users base along the time

HISTORICAL MILESTONES

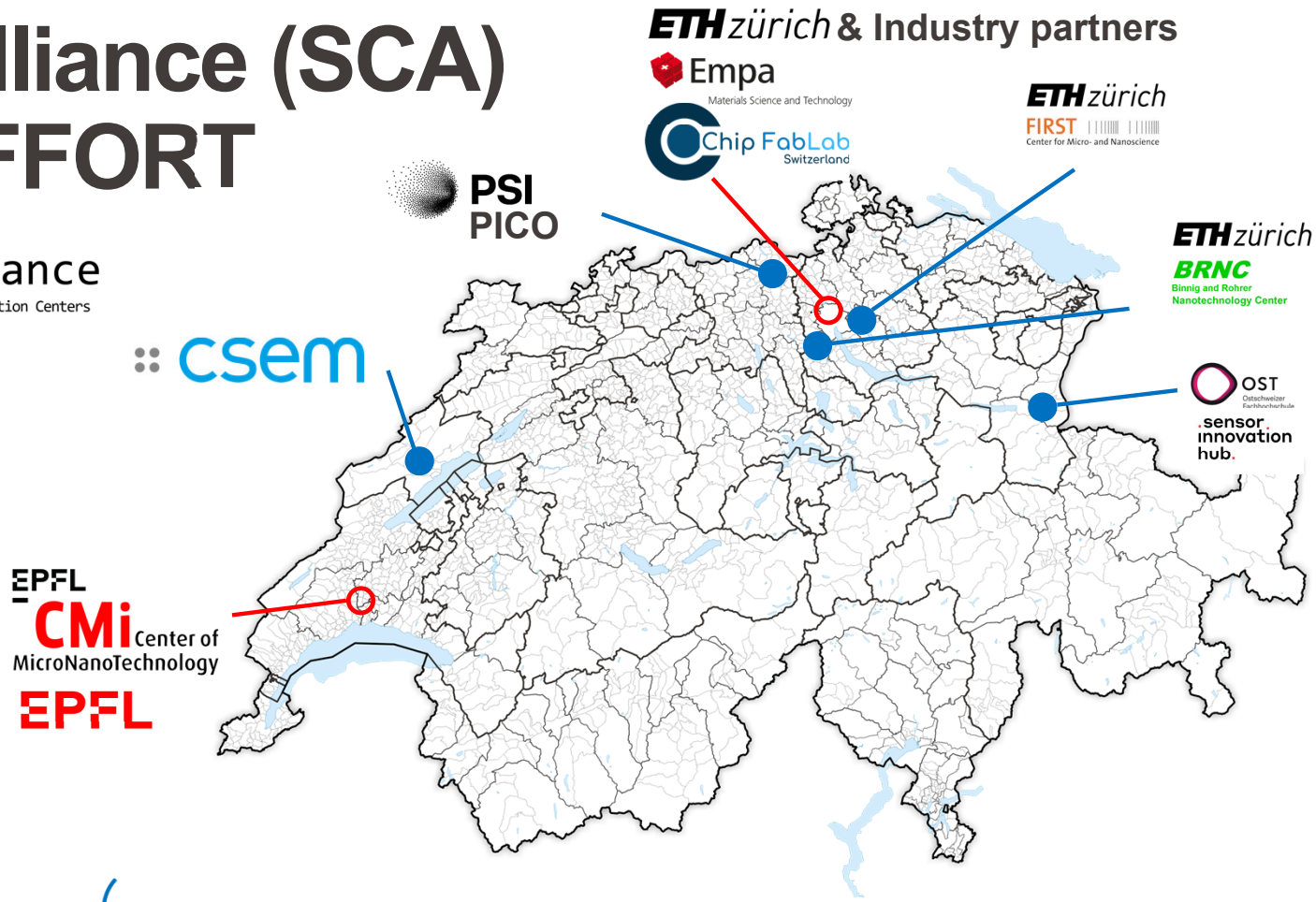
Microelectronics & MEMS 1998	• CMi created in 1998 & Cleanroom opened in March 1999 • Basic Microelectronics processes • MEMS processes like **Deep silicon etching**, **SU-8**
Nano / Electron Beam Lithography 2005	• **Electron Beam Lithography** ordered in december in 2005 • Focused Ion Beam ordered in september 2003 • Atomic Layer Deposition in 2011
Cleanroom extension 24/7 2010	• Cleanroom extension opened in 2010 for **more flexibility** and cheaper access • **Operated now in 24/7 mode** since 2012 • **PDMS**, SU-8, Chemistry, Metrology, Non-conventional processes
Photonics / Quantum / Materials Diversity 2013	• **Ion Beam Etching**, PVD, ALD, PLD, Dry Etching • Chemistry • Photolithography: Mask Fabrication, Coater & Developer, Mask Aligner
DUV Stepper lithography 2019	• **DUV stepper** • Renewal of aging tools & Adding new capabilities • Envision the acquisition of a second EBEAM at the horizon of 2022
Renewal & Broadening 2019	• Deep Si etcher - XeF2 etcher - CMP - Post CMP Cleaner - Super Critical Dryer - Metal etcher • **PVD Cluster** - LPCVD furnaces - PECVD - Flash Lamp Annealing - Direct Writer • **Wafer bonding** - CVD diamond - Optical Profiler - SEM - Ellipsometer
Quantum Science & Engineering / Photonics 2022	• UHV evaporator (2x) for **Josephson Junctions** - UHV sputter for **Josephson Junctions** - ALD for SC • Second electron beam lithography system • **Cleanroom extension in 2025**
200mm wafer capability 2026	• Acquisition of 200mm equipment • Project of cleanroom extension

- Description of the development steps of the CMi
- Latest project : Add the capability of processing 200mm wafers

Swiss Chip Alliance (SCA) NATIONAL EFFORT

Swiss Chip Alliance
Semiconductor and Photonics Research and Innovation Centers

- Network of cleanroom facilities
- Goals:
  - Consolidate infrastructures
  - Give service to academic and industrial community



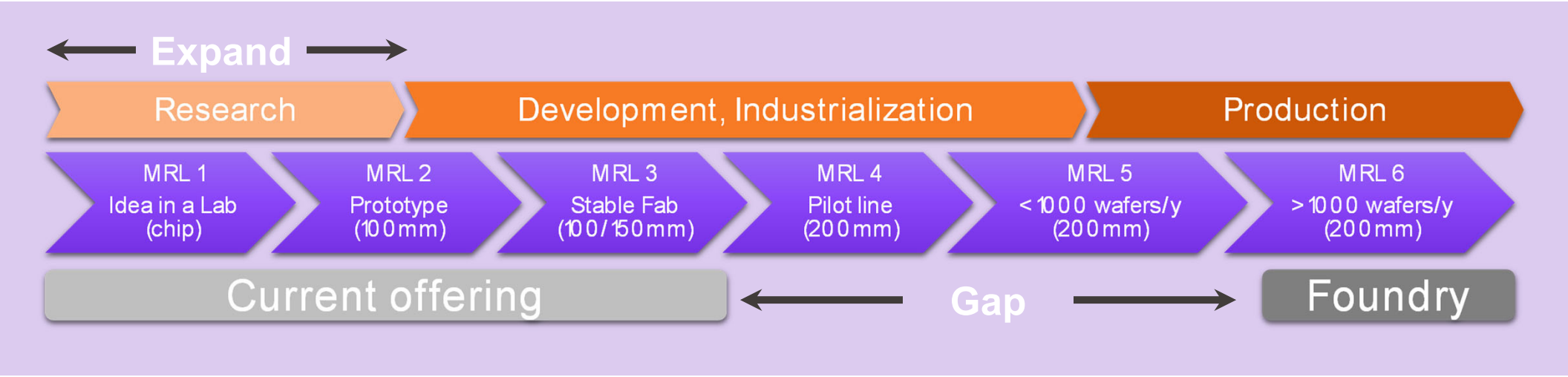
Flagship Center

Application/Technology Center

SWISSMEM Hosted by the Swissmem Industry Sector Semiconductors

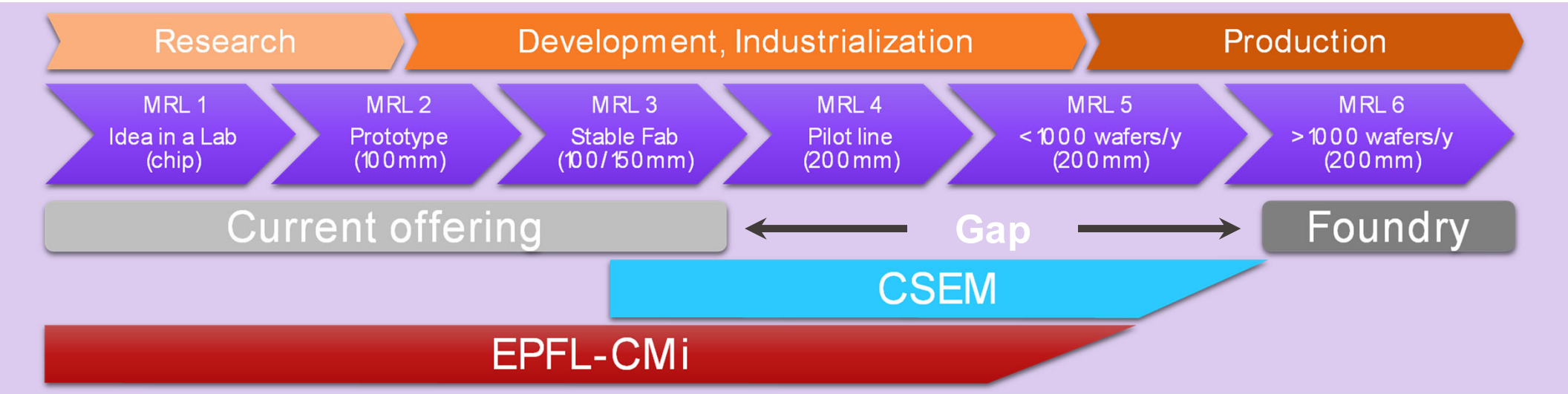
From Labs to Market
From PIONEERING RESEARCH to VALUE CREATION

- Infrastructures must support from low to high MRL (manufacturing readiness level)
- Focus on expanding offer and closing industrialization gap



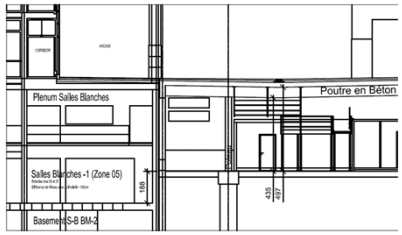
CMi CSEM Joint Venture

Path to industrialization



- Complementary solutions – Different operating models
- Common wafer size platforms (200mm)
- Facilitating transition and sharing of equipment and processes
- Part of the Swiss Chip Alliance

CLEANROOM



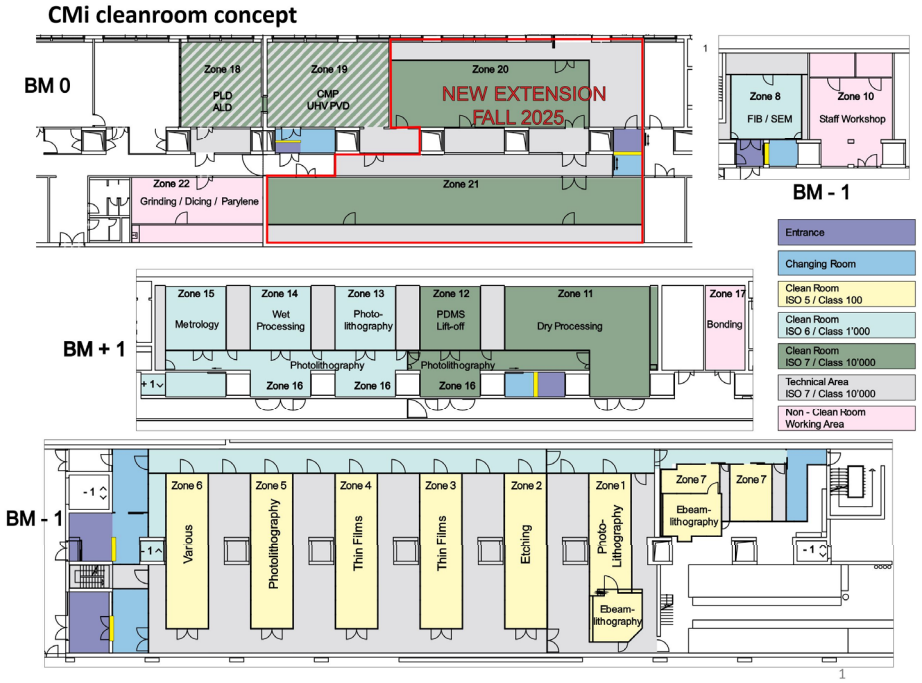
- 389m²
- 6x45=270m²
- 112m²
- 414m2

Total : 1185m²
(Total CR : 771m2)

h(AN)=h(BM-1)+188mm

- Project of cleanroom extension.
- We are awaiting a decision about a possible available budget.

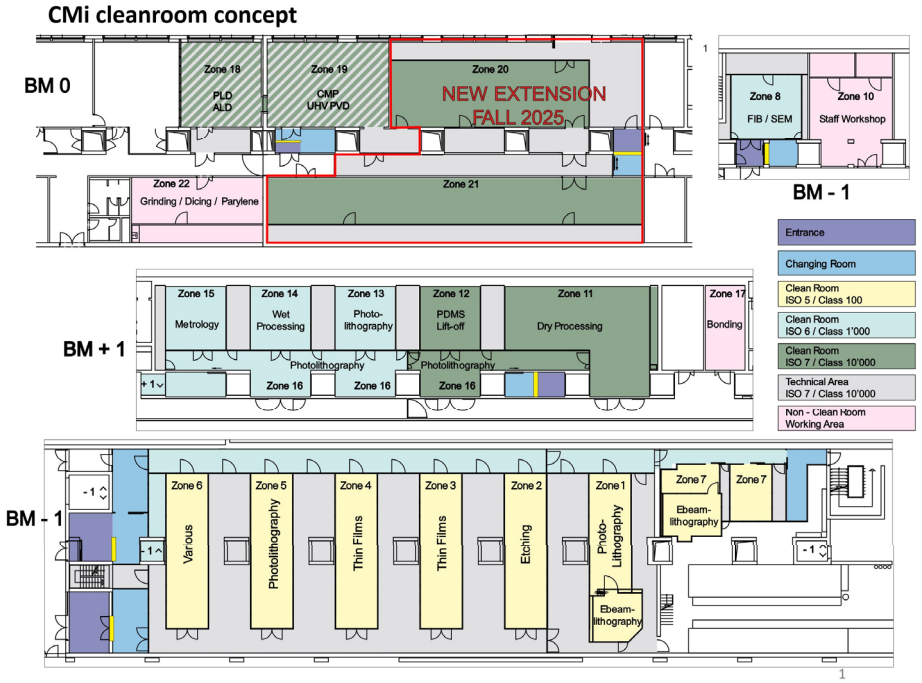
CLEANROOM



Initial surface BM-1 (1998)	900m^2
Extension BM+1 (2010)	350m^2
Extension BM0 (2017)	150m^2
Extension BM0 (2025)	440m^2
Total Surface	1840m^2

- Space is a concern
- The opening of the extension at the BM0 in fall 2025 will help on the shorter term

CLEANROOM

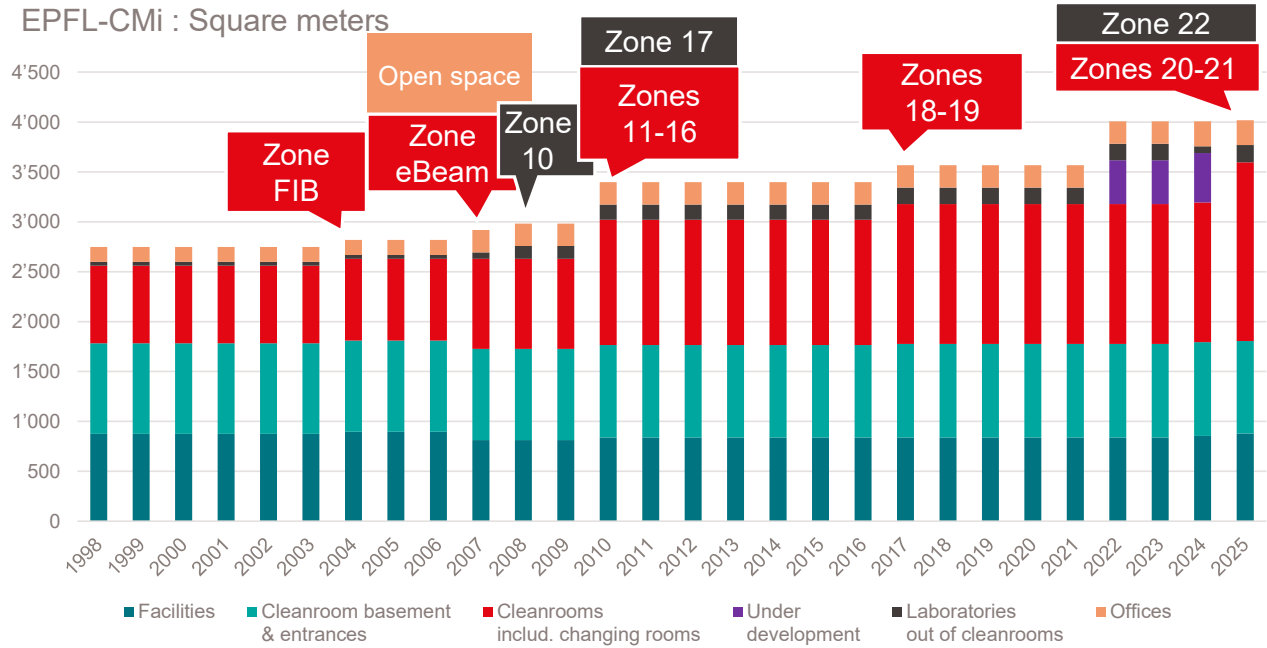


Initial surface BM-1 (1998)	900m^2
Extension BM+1 (2010)	350m^2
Extension BM0 (2017)	150m^2
Extension BM0 (2025)	440m^2
Project AN (TBC)	771m^2
Total Surface	2611m^2

- Space is a concern
- The opening of the extension at the BM0 in fall 2025 will help on the shorter term

SURFACES

4'020 m²



- 1'790 m2 of cleanrooms + 170 m2 of standard laboratories
- 1'810 m2 of facilities, basement & entrances + 250 m2 of offices

CAPITAL INVESTMENT

- Processing Equipment

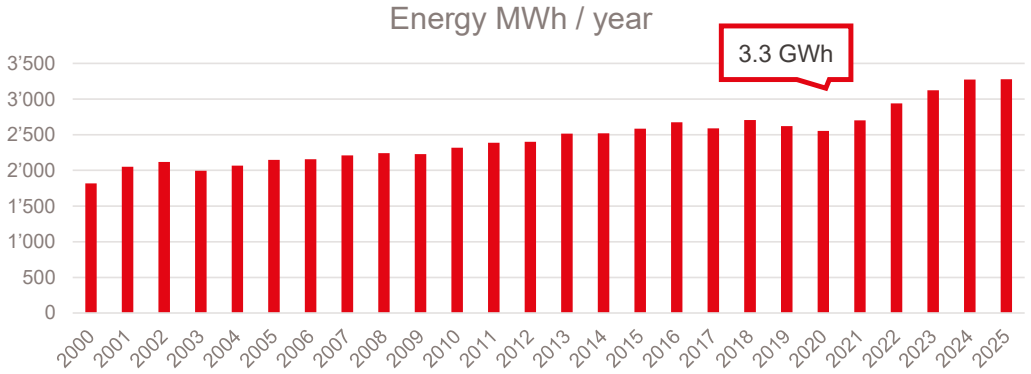
Scientific Equipment Levels -1 / 0 / +1	50 MCHF
Total	**50 MCHF**

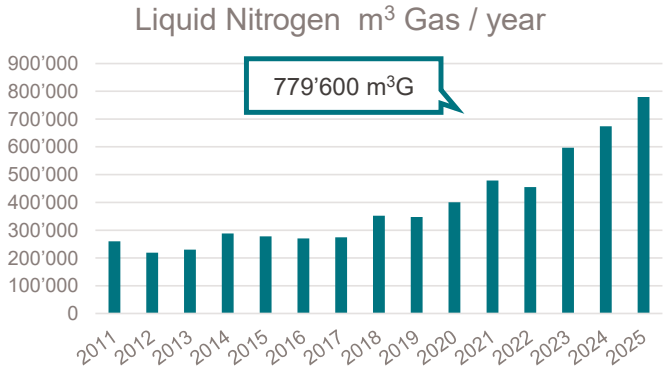
- Cleanroom Infrastructures

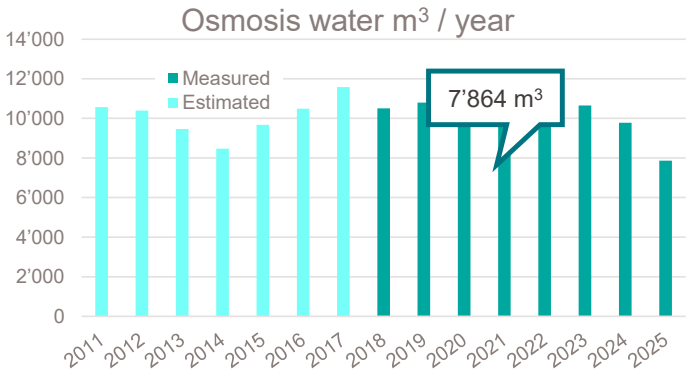
Cleanroom Infrastructures Level -1	12 MCHF
Cleanroom Infrastructures Level +1	7 MCHF
Cleanroom Infrastructures Level 0 (1)	2 MCHF (2017)
Cleanroom Infrastructures Level 0 (2)	4 MCHF (2025)
Total	**25 MCHF**

- Total 75MCHF

ENERGY & FLUIDS

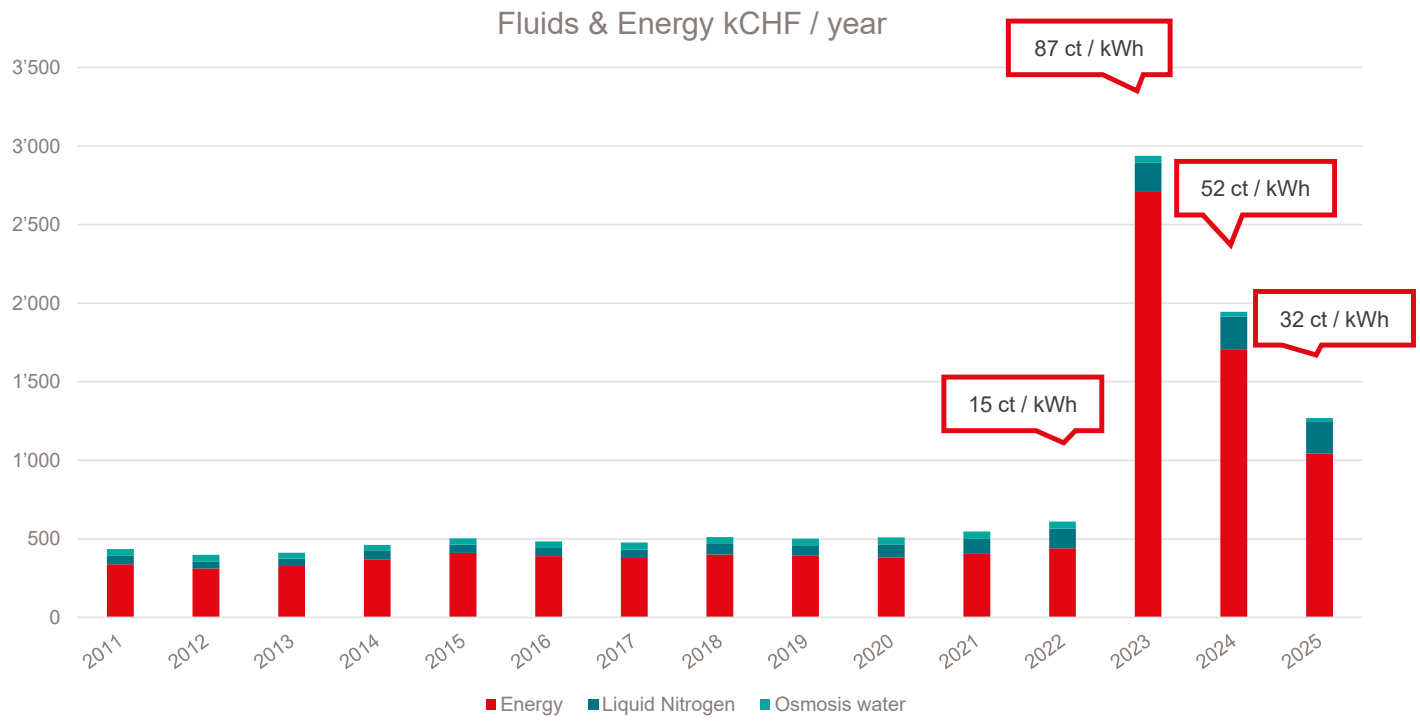






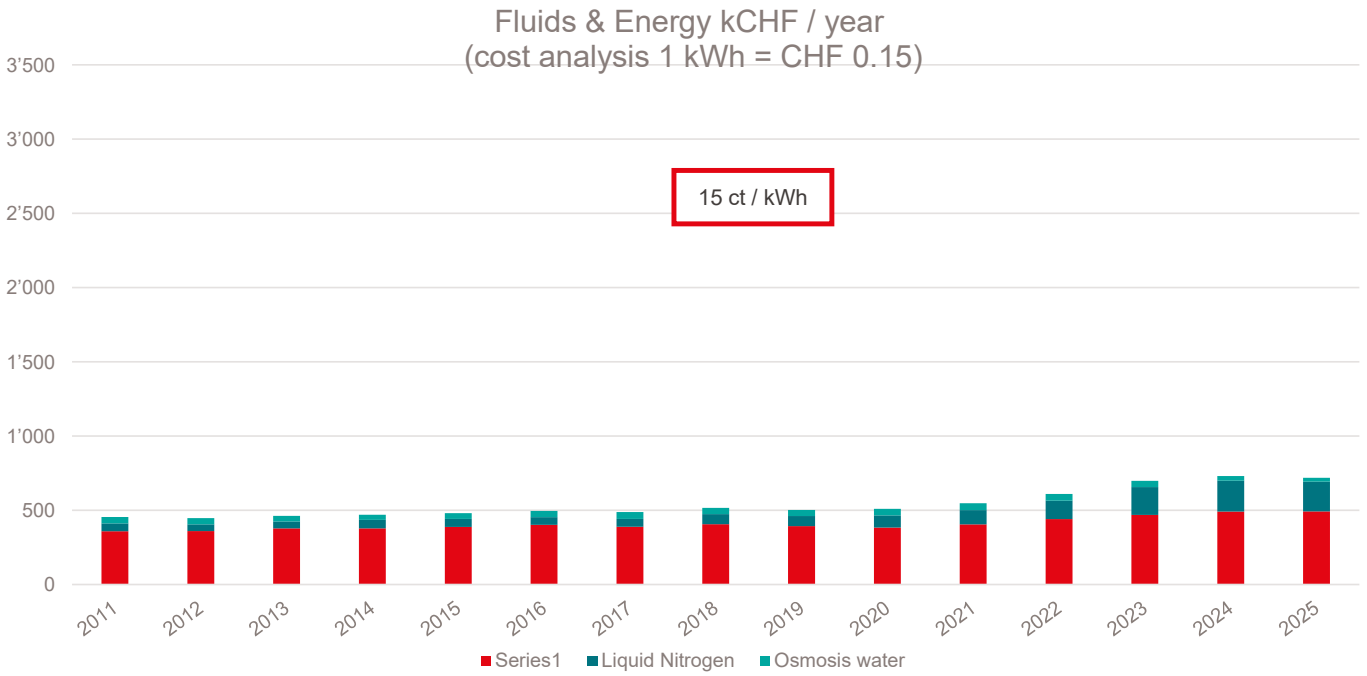
- Since the creation of the CMi we monitor carefully to our consumption
- Electricity / Liquid Nitrogen / Water

ENERGY & FLUIDS



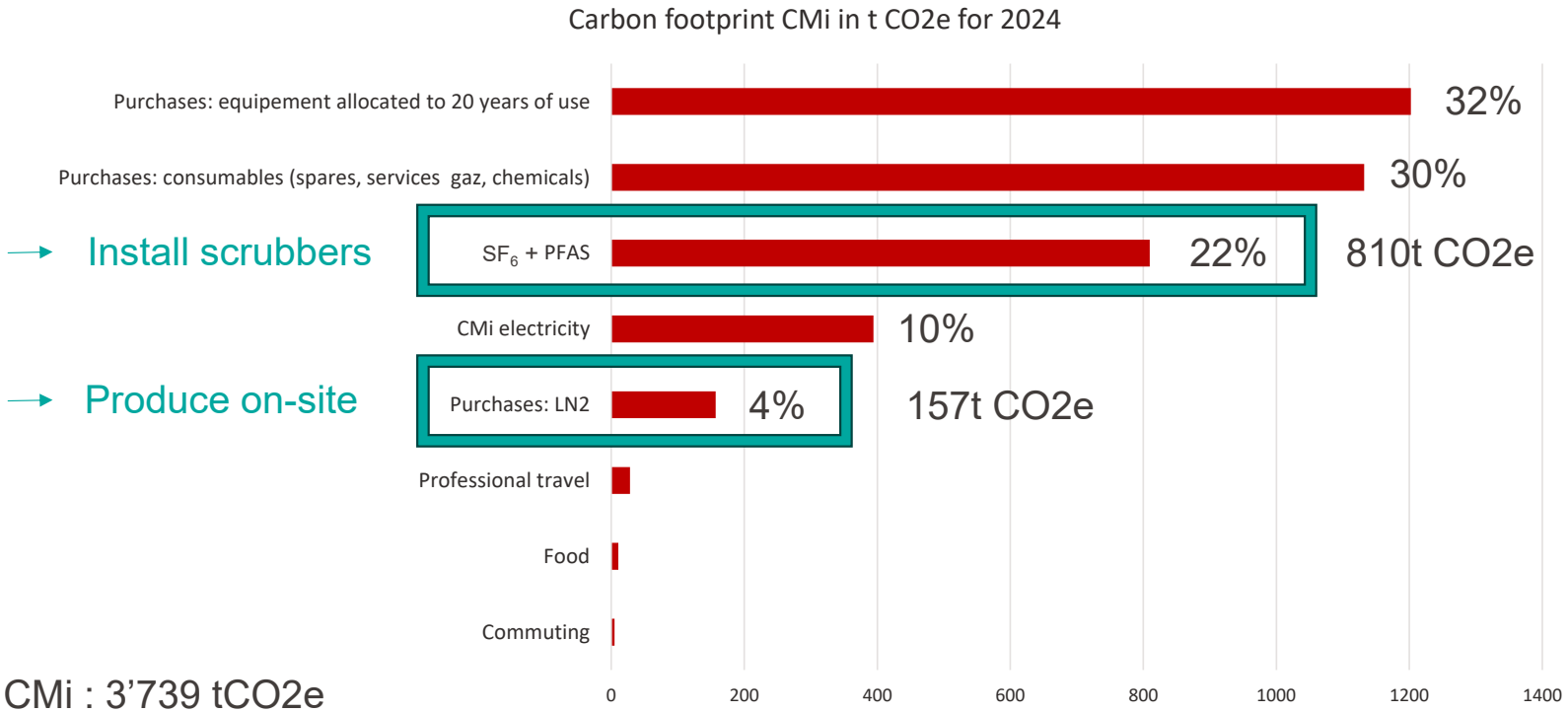
- Our costs depend very much from the cost of electricity

ENERGY & FLUIDS



- For cost analysis we maintained artificially a calculation cost of CHF0.15 per kWh

SUSTAINAIBILITY



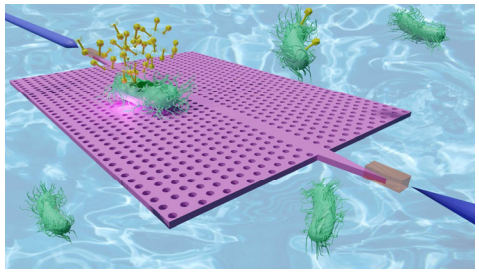
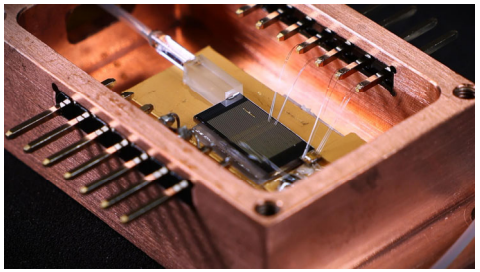
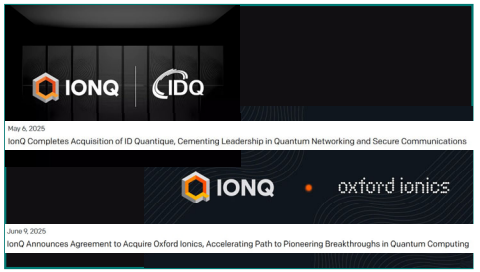
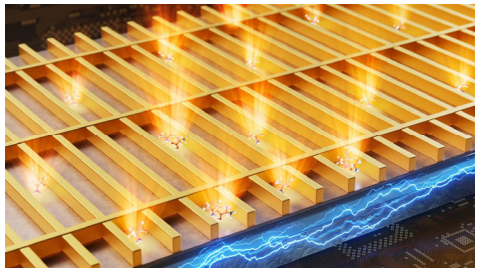
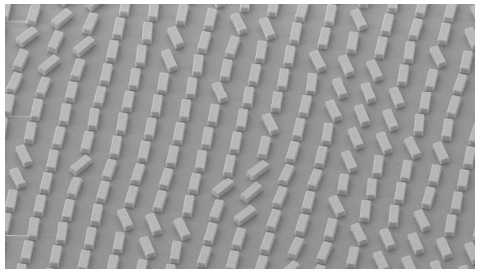
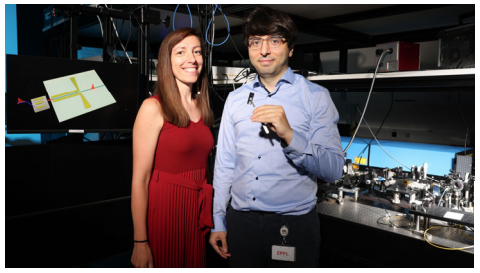
Gas	GWP	Lifetime
	[CO_2 eq]	[years]
CF_4	7390	5000
CHF_3	11700	264
CH_2F_2	650	5,6
C_2F_6	12200	10000
C_3F_8	7000	2600
c-C_4F_8	8700	3200
SF_6	22800	3200
NF_3	17200	740
C_4F_6	~0	~0
c-C_5F_8	90	~1
F_2 (FAN)	~0	~0

GWP = **G**lobal **W**arming **P**otential
(values normalized for 100 year lifetime)

CMi : 3’739 tCO2e
EPFL : 85’562 tCO2e

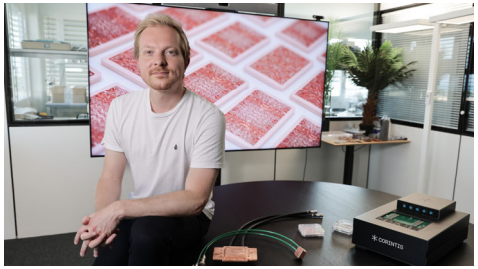
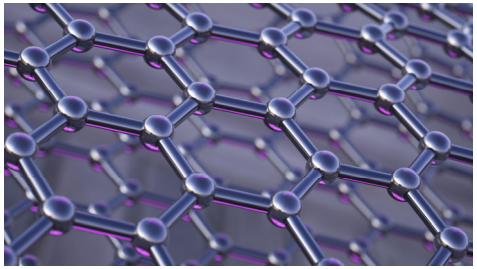
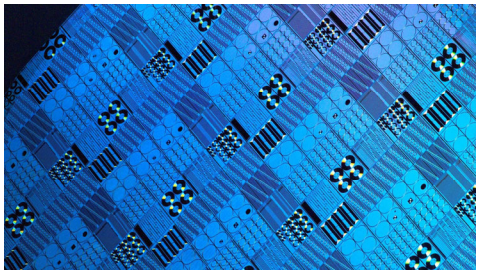
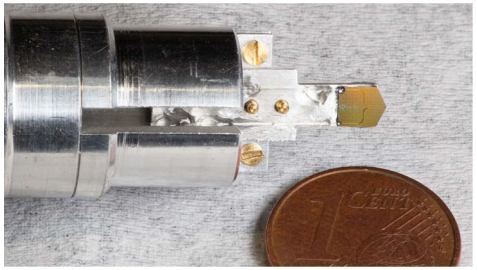
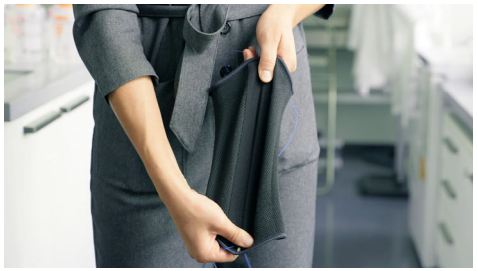
- Carbon footprint of CMi in 2024
- SF6 & PFAS contribution : > 90% reduction achievable using waste gas abatement

CMi inside

Houdré (PHOTONIC CRYSTAL CAVITIES) Advanced Optical Materials https://doi.org/10.1002/adom.202402586 January 2025	Kippenberg (PHOTONIC INTEGRATED CIRCUITS) Nature Photonics https://doi.org/10.1038/s41566-025-01687-0 June 2025	ID Quantique acquired by IonQ in May 2025 Oxford Ionics acquired by IonQ in June 2025 Both companies active in CMi
		
ALTUG (OPTICAL BIOSENSOR) Nature Photonics https://doi.org/10.1038/s41566-025-01708-y June 2025	ALTUG (OPTICAL METASURFACES) Nature Communications https://doi.org/10.1038/s41467-025-61221-2 July 2025	BENEA (PHOTONIC CIRCUITS) Nature Communications https://doi.org/10.1038/s41467-025-62267-y July 2025
		

- A selection of publications which attracted special interest (last 12 months)
- Publications in high impact journals were relayed onto the EPFL home page

CMi inside

Corintis (CHIP COOLING FOR IA) One of Switzerland's leading startups Raised over CHF 27 million in funding August 2025	Banerjee (SUPERCONDUCTIVITY) Nature Physics https://doi.org/10.1038/s41567-025-03040-2 September 2025	Sakar (Microcatheter) Science Robotics https://doi.org/10.1126/scirobotics.adu4003 October 2025
		
Kippenberg (PHOTONIC INTEGRATED CIRCUITS) Nature https://doi.org/10.1038/s41586-025-09598-4 October 2025	Kippenberg (PHOTONIC INTEGRATED CIRCUITS) Nature Communications https://doi.org/10.1038/s41467-025-62808-5 September 2025	Sorin (ELECTRONIC FIBERS) Nature Electronics https://doi.org/10.1038/s41928-025-01485-0 October 2025
		

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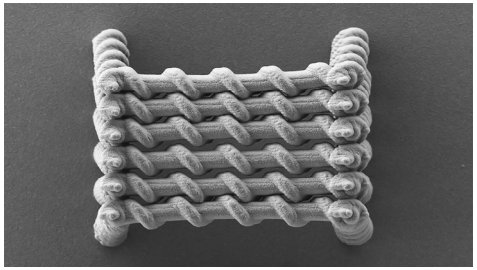
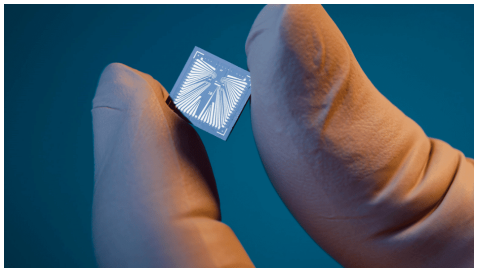
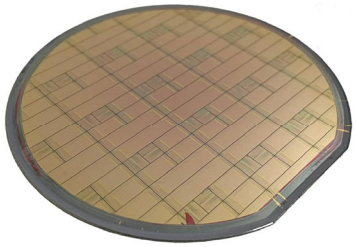
CMi inside

Altug and Scarlino (Quantum Science and Engineering) SNSF Swiss-Korean quantum grants 2x 800kCHF November 2025	Kippenberg (QUANTUM OPTOMECHANICS) Marcel Benoist Swiss Science Prize https://marcel-benoist.ch/fr/remise-du-prix-2025/ November 2025	Grundler (MAGNOGNICS) Nature Nanotechnology https://doi.org/10.1038/s41565-025-02055-3 December 2025
		
Tagliabue (HYDROVOLTAIC) Nature Communications https://doi.org/10.1038/s41467-025-68261-8 January 2026	Xsensio (WEARABLE BIOSENSING) Draws €6 million March 2026	Kippenberg (ELECTRO-OPTICAL PHOTONIC INTEGRATED CIRCUITS) Nature Communications https://doi.org/10.1038/s41467-026-69588-6 February 2026
		

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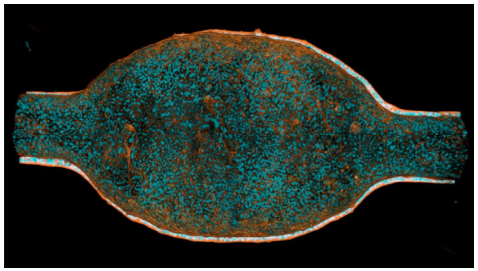
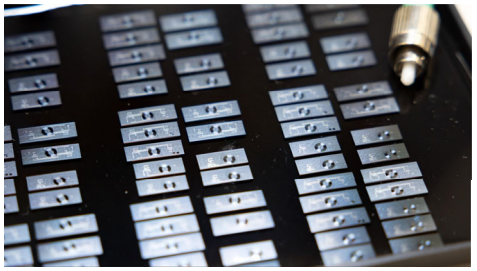
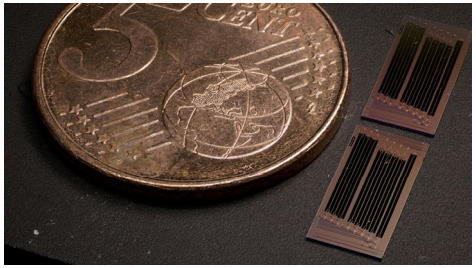
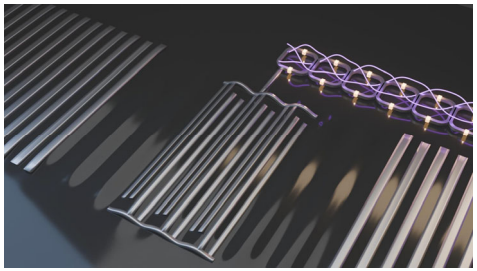
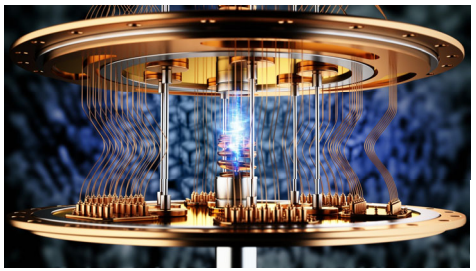
CMi inside

McKinney & Lütolf (ORGANOIDS & BIOTECHNOLOGY) Nature Communications https://doi.org/10.1038/s41467-026-68573-3 February 2026	Kippenberg (PHOTONIC CHIPS) Nature Communications https://doi.org/10.1038/s41467-026-69787-1 March 2026	Kippenberg (PHOTONIC CHIPS) Nature Communications https://doi.org/10.1038/s41467-026-69769-3 February 2026
		
Scarlino (QUANTUM TECHNOLOGIES) PRX Quantum https://doi.org/10.1103/rk3m-dnwp March 2026	Scarlino (QUANTUM SENSING) Science Advances https://doi.org/10.1126/sciadv.aeb9784 April 2026	
		

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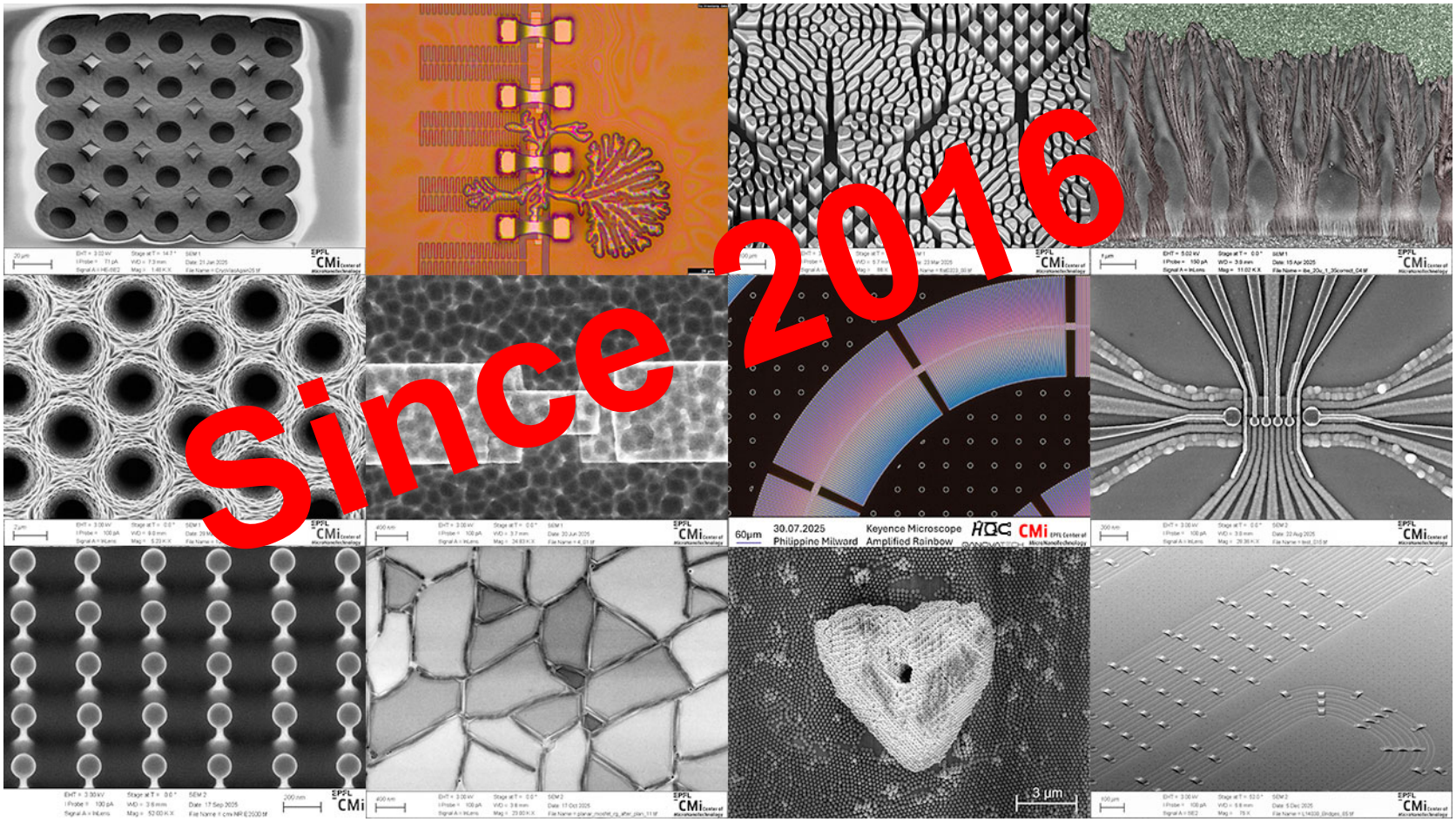
PICTURE CONTEST 2025

For the pleasure of the eyes : the official winners of the monthly picture contest



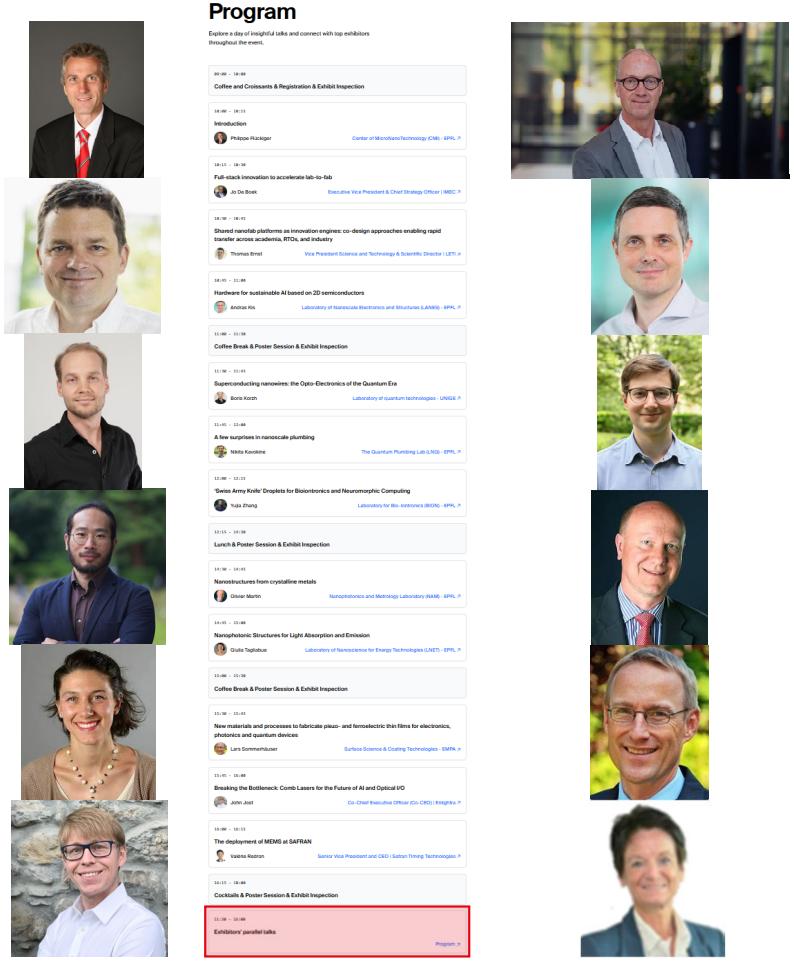
PROGRAM

List of posters

- The 192 posters presented today are available online
- Password is available on request
- A few paper brochures are available

https://cmiaccess.epfl.ch/projects/

PROGRAM



Program

- Very exciting program
- 11 presentations
- Spanning an exceptionally broad range
- Try to be different every year
- Not always invite our heavy users
- Emphasize on the new Professors @ EPFL
- Sometimes also some exotic users
- One common point:
- MicroNanoFabrication

PROGRAM

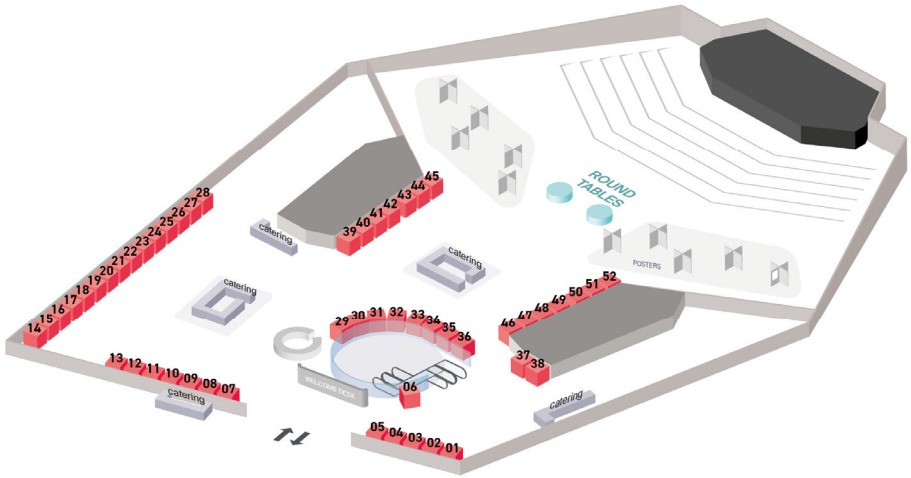
Exhibitors

- 78 companies
- Thank you to all of them
- 11 exhibitors' talks in parallel sessions

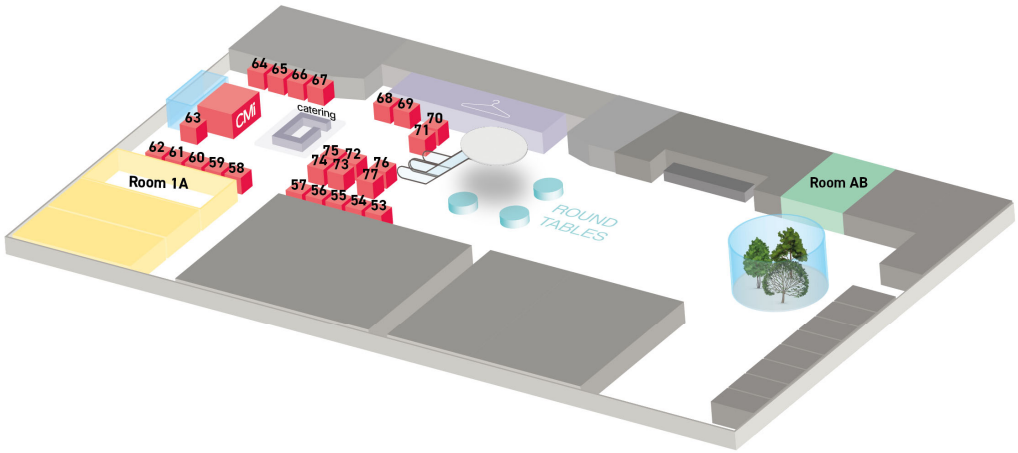
- Thank you to all our exhibitors
- Our exhibitors play an important role in the success of this event

PROGRAM

L1 - Campus



L0 - Garden



- We are this year on 2 levels for first time
- Roundtables for questions to the speakers

THANK YOU

- “Alone we can do so little, together we can do so much.”

EVENT

Thank you for your attention !

PRESENTED BY

Philippe Flückiger
Director of Operations

École polytechnique fédérale de Lausanne

EVENT

Enjoy the conference !

PRESENTED BY

Philippe Flückiger
Director of Operations

École polytechnique fédérale de Lausanne

EVENT

Thank you for your attention !

PRESENTED BY

Philippe Flückiger
Director of Operations

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