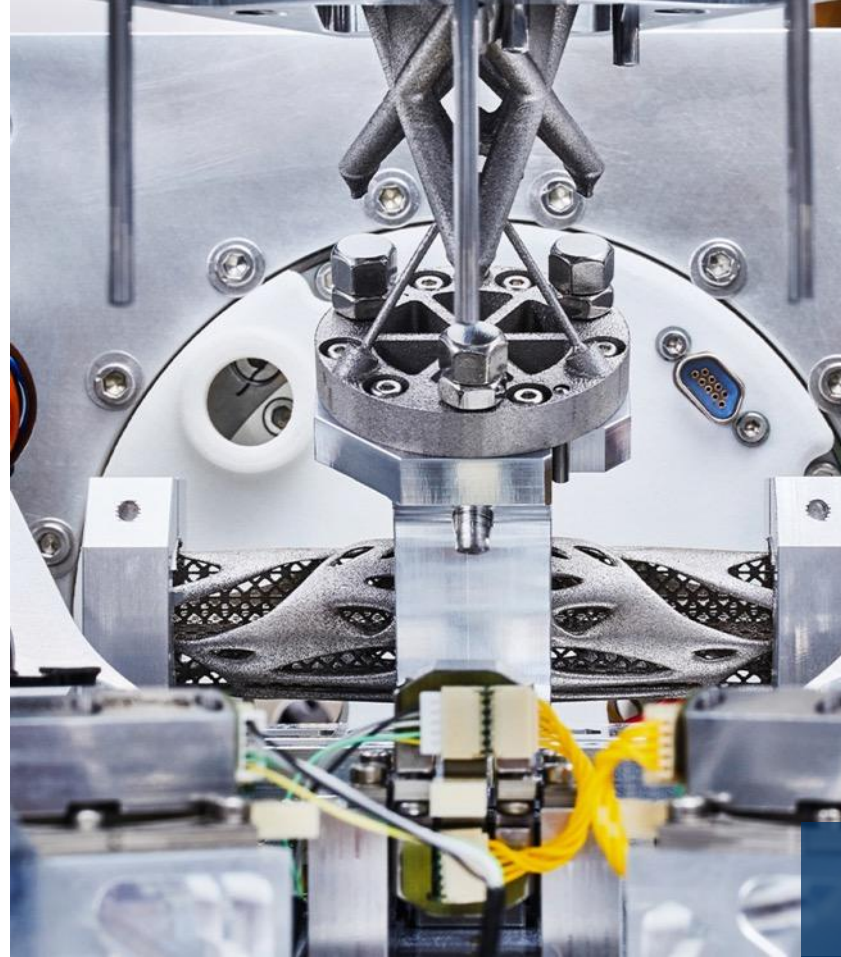
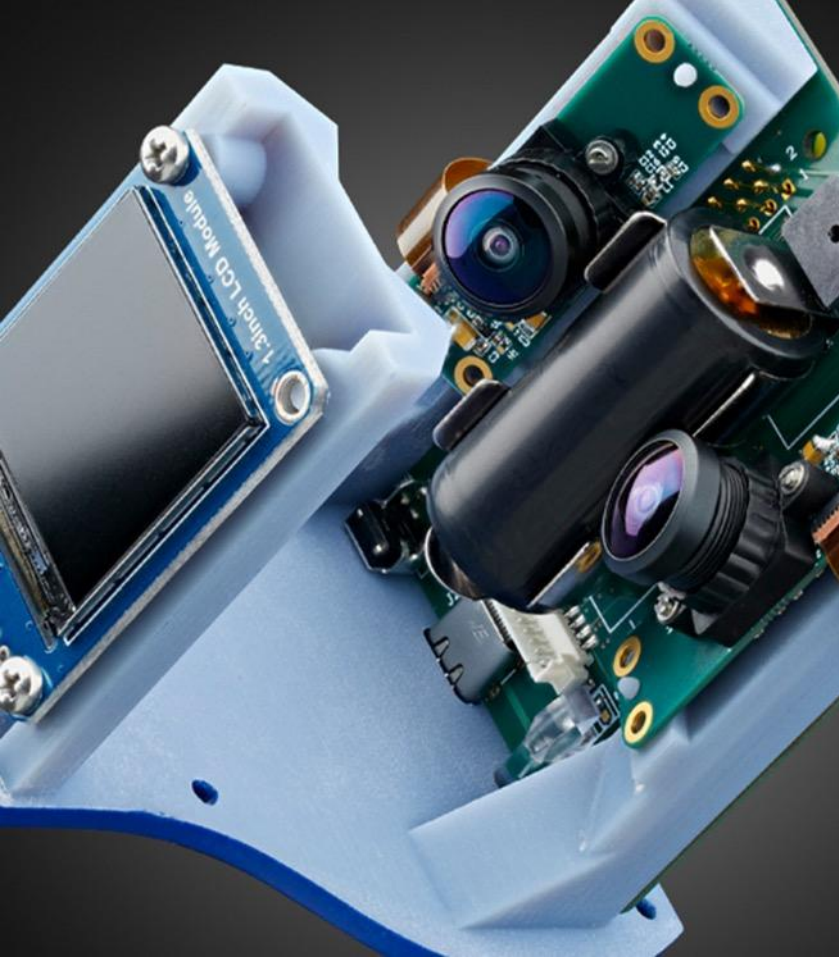
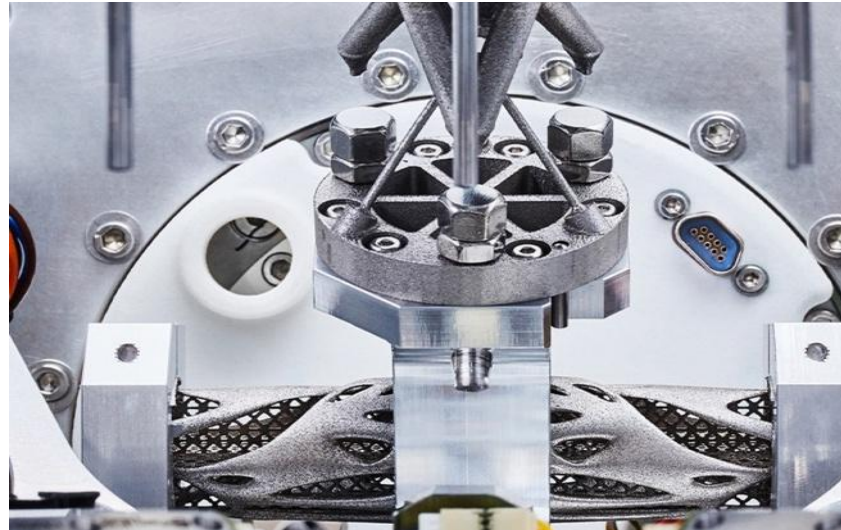
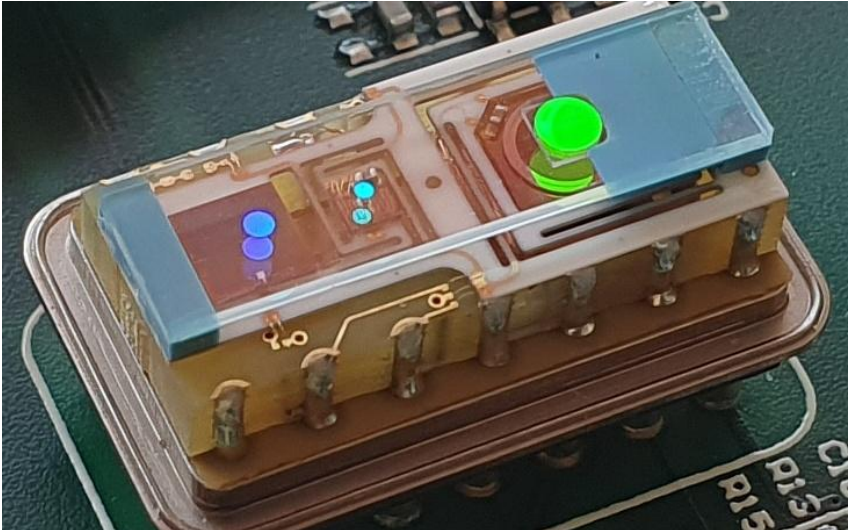




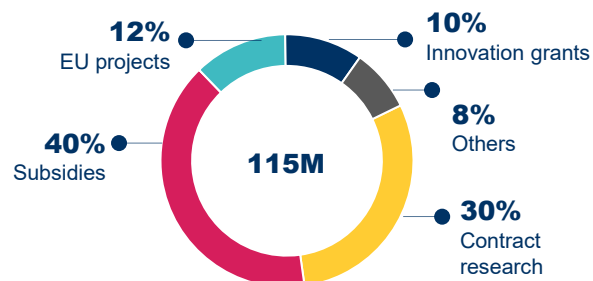
Rafael Pennese
Sustainability manager

21 May 2026

ENERGY OPTIMIZATION - THE LOW HANGING FRUIT OF A LONG SUSTAINABILITY JOURNEY



NON-PROFIT APPLIED RESEARCH & TECHNOLOGY INNOVATION

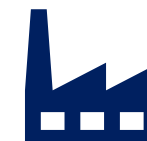



1984
FOUNDED


>400
ENGINEERS


115 M
TURNOVER
in 2025 (CHF)


> 53
VENTURES
since 1984



Green
ESG & Investing

EU Plans to Walk Back Key Planks of Toughest ESG Legislation

NEWS ARTICLE | 26 February 2025 | Directorate-General for Communication | 1 min read

Commission proposes to cut red tape and simplify business environment

"Sustainability is in our DNA"

Greenwashing

Peak of Inflated Expectations

Finance:
Risk
management,
ESG funds

Pandemic aftermath
(rates, inflation...)

EU rollback on environmental policy is gaining momentum, warn campaigners

Observers shocked at scale and speed of deregulation drive they say is watering down European Green Deal and laws

Ajit Niranjana

Thu 26 Jun 2025 06:00 CEST

Reporting
regulation

COP 26,
Greta

Europe plans to ease sustainability reporting rules to compete globally

By Kate Abnett and Julia Payne

February 26, 2025 6:14 PM GMT+1 · Updated February 26, 2025



Wars, in
uncertainty

Europe backtracks on ban of new combustion engine cars, in setback to tackling climate change

DEC 16, 2025

By Lianne Kollin

Trough of Disillusionment

Technology Trigger

TIME

2020-2021

OUR SUSTAINABILITY JOURNEY

- CSEM's context :
 - Non-profit, impact-driven
 - Technology innovation : will it save us ?
 - Strong global headwinds and uncertainty
 - Shifting priorities : sacrifice for competitiveness
 - Non-EU member
- **Jun. 2024** : Decision to report on sustainability : Double Materiality Assessment
- **Feb. 2025**: Omnibus is announced
- **Nov. 2025**: CSEM's 1st sustainability report



WHY A REPORT?



Build and communicate a **shared understanding about the principles and breadth of sustainability** in the context of our organization, including its systemic nature and the trade-offs involved



Objectively assess our impact and performance across Environment, Social and Governance (ESG) dimensions



Identify material risks and opportunities arising from sustainability topics, and determine how to better manage them in the future

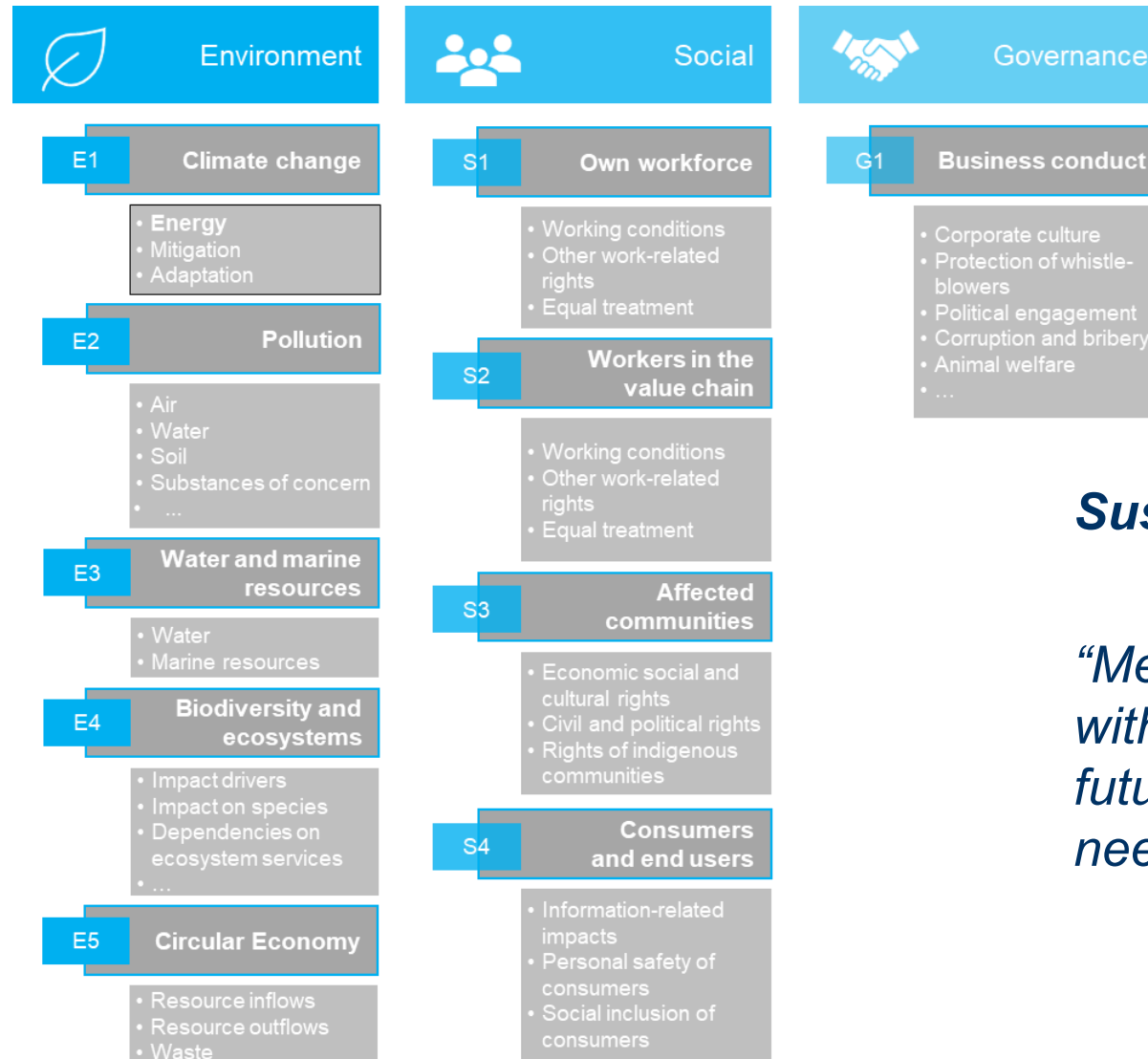


Enhance transparency and accountability toward our stakeholders by disclosing relevant and reliable information, including identified gaps and proposed actions



Explore how sustainability can further **guide our decisions and long-term strategy**

HOLISTIC/SYSTEMIC VISION



Sustainable development:

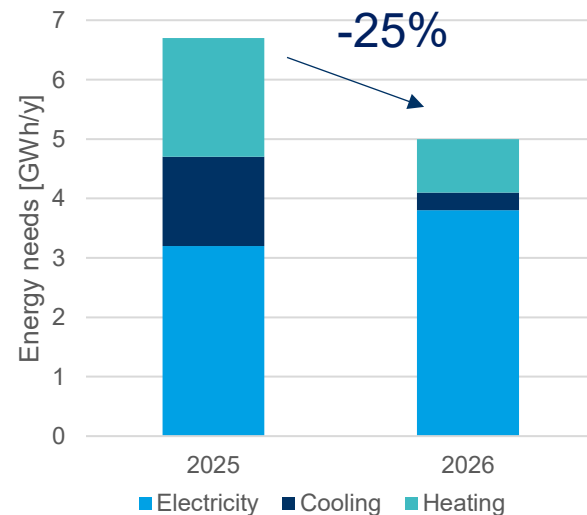
“Meeting the needs of the present without compromising the needs of future generations to meet their own needs”

WCED (UN), 1983

ENERGY IS A “QUICK WIN”

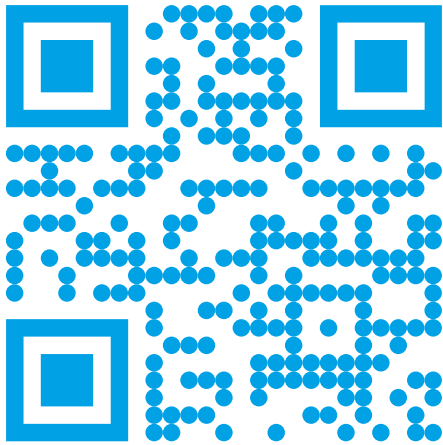


- Energy in buildings : 17% global GHG
- A clear business case for sustainability
- CSEM's Clean room energy recovery upgrade:
 - >3 MCHF upfront cost
 - 25% energy saving
→ 400 tCO₂eq (47% scope 1+2)
 - 10y ROI



CONCLUSION

- Resist the headwinds, tailwinds will be back
- Sustainability reporting: where the journey starts
- Influence key stakeholders
- Start with the low hanging fruits and communicate actions !



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