



Sustainability as a Core Element of Laboratory Operations

Centro de Medicina Laboratorial Germano de Sousa



Lisbon, Portugal



CML Germano de Sousa is a leading Portuguese group with 15 sites and 1,600 professionals dedicated to advancing healthcare. Showcasing hybrid automation model that boosts efficiency, flexibility, and TAT while reducing manual steps, energy use, and operational waste.



Challenges

- Portugal's 2050 carbon-neutrality goal and 2030 milestones pressure clinical labs to cut emissions fast.
- The challenge: Integrate sustainability into daily operations while delivering high performance with a smaller environmental footprint.



Risks & Considerations

- Trusted sustainability partners protect reputation and boost certification success.
- Operational disruption during certification and the rollout of greener practices.
- Inability to quantify or report financial impact, limiting transparency to the process.
- Reputational risk of greenwashing if improvements are superficial or not independently verified.



Solution: My Green Lab Certification

How the three pillars of the program aligned:

- Engagement Survey helped identify existing and emerging sustainable practices.
- Assessment Tool anchored the certification score and streamlined project management.
- Impact Estimator delivered quantifiable improvements in resource efficiency and operational cost reduction.



my green lab.
Certification



Outcomes of My Green Lab Certification

Energy



↓ **200,300**
kWh/year

Water



↓ **457,272**
liters/yr



Green Level My Green Lab certification



\$58,091 in cost savings in a year



Green Lab Certification generated **30% energy saving** plus significant cut in water usage

"More than a footprint, we walk a path. Stronger partnerships support environmental protection and sustainable development by mobilizing resources, sharing knowledge, transferring clean technologies, and building capacity, while greater cooperation across sectors enables more efficient resource use, reduced pollution, and effective climate action."



Professora Doutora Maria José Rego de Sousa
Co-CEO CML Germano de Sousa

The statements by Siemens Healthineers' customers described herein are based on results that were achieved in the customer's unique setting. Because there is no "typical" hospital or laboratory and many variables exist (e.g., hospital size, sample mix, case mix, level of IT and/or automation adoption) there can be no guarantee that other customers will achieve the same results.

Product availability varies by country and is subject to varying regulatory requirements. Their future availability cannot be guaranteed. Please contact your local representative for availability.

Siemens Healthineers is the exclusive IVD Manufacturer recognized as a My Green Lab Accelerator Partner in the European Union and United Kingdom.

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Published by

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