Customer Case Study

First My Green Lab Gold Certification Achieved in Malaysia

Building a sustainable future and making a positive impact for the next generation.



University of Malaya Medical Centre

Kuala Lumpur, Malaysia

- UMMC is the largest and oldest teaching hospital in Malaysia. It is also the second largest hospital in Malaysia.
- UMMC (PPUM) advances sustainability by embedding ESG principles across healthcare through Green@UMHealth, Malaysia's first sustainable academic health centre, integrating eco-conscious practices in care, research, and education.

Lab Profile

- Division of Laboratory Medicine, Department of Pathology processes 2,500 laboratory tubes and 20,000 diagnostic tests daily.
- Their laboratory is highly automated with Aptio TLA, Atellica Solution, Atellica IT Suite (APM, ADM).

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

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

Considered as the **gold standard** for life sciences laboratory sustainability best practices around the world.

SIEMENS Healthineers

Outcomes of My Green Lab Certification

Carbon Emission	210.9 tCO_2e/yr	• The annual emissions of **20-40 households** • The amount of CO2 that **3,000-4,000 trees can absorb over 10 years**
Energy	**386,514 kWh/yr**	
Water	**937,547 liters/yr**	

Gold level
My Green Lab Certification

$50,359
in cost savings in a year

My Green Lab Certification generated
30%
Energy saving

"When I first became Lab Lead, I felt lost and unsure where to start. Through the MGL journey, I gained valuable guidance that gave me clear direction. I focused on identifying improvement areas we could control and took action.

Achieving MGL certification was a team effort. We formed a dedicated Green Team, and despite our daily responsibilities, we worked together with commitment and collaboration to reach our goal. For me, this is not just about certification—it's about building a sustainable future and making a positive impact for the next generation."



Yeoh Ai Chin
Scientific Officer, UMMC

Siemens Healthineers is the Accelerator Partner for the My Green Lab Clinical Laboratory Certification program.

The statements by customers of Siemens Healthineers 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, samples mix, case mix, level of IT and/or automation adoption) there can be no guarantee that other customers will achieve the same results.

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