

Cyprus

Company Headquarters – Hermet Ltd.

Dubai

Regional Operations and Commercial Presence

Portugal (Coimbra University)

R&D Partnership – Circular Systems and Sustainability Research

Jordan

Prototyping and Manufacturing Operations

Istanbul

Design and System Architecture Centre

California (USA)

Operational Coordination and Market Development

Global Operational and Technology Footprint of Hermet Ltd.

Hermet operates through a distributed international structure integrating design, R&D, manufacturing, and digital operations into a single IoT-driven system.

Leadership in IoT Product Systems

Hermet is an IoT-driven reusable packaging ecosystem designed to address sustainability and operational inefficiencies in high-volume hospitality and food service environments. The system combines connected hardware, data infrastructure, and software-based intelligence to enable traceable, scalable, and low-emission logistics across distributed locations.

As Co-Founder and Chief Design Officer, I led the end-to-end product and system architecture of Hermet, overseeing the integration of physical hardware, embedded connectivity, data flows, and platform-level software. My role extended beyond product design to include system-level decision-making, cross-disciplinary coordination, and the translation of operational requirements into scalable digital solutions.

Hermet has been piloted across multiple international markets, including Cyprus, Dubai, and Portugal, validating its commercial viability and technical scalability. Through the integration of connected hardware, real-time data capture, and system intelligence, Hermet establishes a technology-led digital infrastructure for circular economy operations, demonstrating measured potential carbon emission reductions of up to 80–90% in pilot deployments when compared to single-use packaging systems.



This evidence supports Optional Criterion by demonstrating:

- Leadership in the design and delivery of a scalable IoT-based product ecosystem integrating connected hardware, data infrastructure, and platform-level software.
- International pilot deployments validating commercial viability and real-world scalability across multiple markets
- System-level innovation translating sustainability-driven product concepts into digitally orchestrated operational and reporting models.

HERMET LUX

Design & Engineering Leadership
for the Hardware System

Hermet Lux is the physical core of Hermet's reusable packaging ecosystem, combining product innovation with IoT-supported tracking. The system reduces waste, extends material life cycles and provides real-time visibility for businesses by unifying hardware, software and operational workflows into one seamless experience.

My contribution spans the entire development pipeline, from industrial design and engineering-ready geometries to material selection, prototyping and the digital interfaces that make the system operable. I also develop the brand language and visual identity, ensuring that Hermet is positioned as a premium, scalable and commercially ready ecosystem.

Hermet Lux is not a standalone physical product but a connected hardware node within Hermet's broader IoT ecosystem. Each unit is designed to interface with the system's data layer, enabling real-time tracking, usage monitoring, and system-level optimisation across distributed environments. This approach positions the product as an active data-generating component within a scalable digital infrastructure rather than a passive container. This positioning enables Hermet Lux to function as a scalable entry point into Hermet's broader digital platform.

[Visit The Hermet's Website](#)





HERMET SOFTSHELL

The smart data layer behind Hermet's next-generation reusable packaging system.

It provides the intelligence that enables Hermet to operate as a scalable, traceable and commercially viable IoT ecosystem.

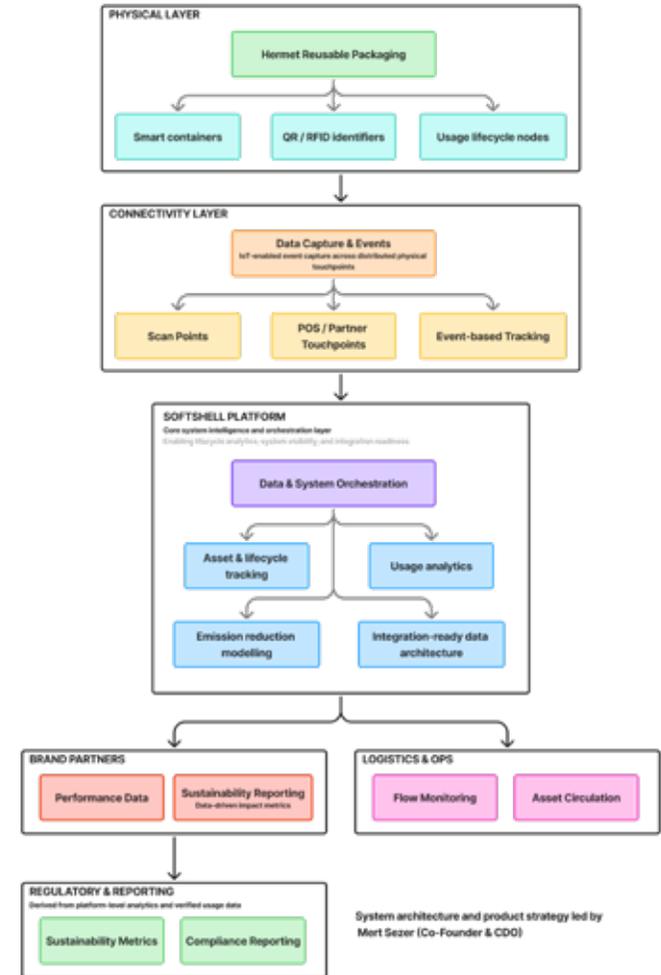
Hermet currently operates pilot deployments with partners across Europe and the Middle East, demonstrating early traction and real-world scalability for the reusable packaging ecosystem.

Softshell is Hermet's software layer that transforms reusable packaging into a fully traceable and data-driven system. It provides real-time visibility of inventory, consumption patterns and operational performance, while cryptographically verifiable event tracking records every fill event with precision. This allows businesses to optimise production, reduce waste and manage resources through measurable and transparent workflows.

Beyond monitoring, Softshell enables new operational models for hotels, venues and shared-use environments. It integrates with POS and billing systems, prevents loss and overpouring, and supports programmable access control for scenarios such as self-service hotel stations or pay-per-use Airbnb setups. Advanced alerts, analytics and behaviour reports give brands the insight needed to design more efficient processes and understand exactly how their products are used in real contexts.

Hermet System Architecture

Hardware, Data and Platform Integration



Hermet System Architecture illustrating the integration of physical assets, IoT-enabled data capture, and platform-level orchestration.