



**AETHERFAB**  
ENGINEERING AUSTRALIA

afea.tech@outlook-.com  
www.afea.tech  
Parkville VIC 3052



## AetherFab Engineering Australia Commitment to a Sustainable & Sovereign Australia

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**From:** The Office of the Director

### Our Green Mandate – Engineering a Sustainable Future

At AetherFab Engineering Australia (AFEA), we believe that the highest form of engineering is that which solves human challenges without compromising the natural world. Our “Green Mandate” is not a secondary goal; it is a fundamental design constraint that informs every project we undertake under the **FabSolv™**, **FabSense™**, and **FabCore™** banners.

**FabSolv™: Designing for Efficiency** Every consultancy project we lead is an opportunity to reduce the carbon footprint of Australian industry. In our specialised **HVAC and Climate Systems** division, we reject the notion that superior Indoor Air Quality (IAQ) must come at the cost of high energy consumption. By applying advanced Fluid Mechanics and CFD modelling, we design systems that optimise airflow patterns to maximize occupant health while minimising the electrical load on the building’s infrastructure. We don't just move air; we move it intelligently.

**FabSense™ & FabCore™: Sustainable Hardware Lifecycle** In the development of our proprietary hardware, we prioritize “Design for Longevity.” We combat the global waste crisis by building hardware that lasts, using green materials wherever technically feasible. From the selection of our PCB substrates to the high-efficiency components within our systems, we aim to reduce electronic waste at the source.

**Circular Logistics & Packaging** Our commitment extends beyond the laboratory to the moment our products reach your door. We have transitioned our logistics to rely on 100% recyclable shipping and biodegradable packaging materials. We believe that professional-grade engineering hardware should not leave a trail of non-recyclable waste.

**Supporting Australian Sovereign Capability** By choosing AFEA, you are choosing a partner dedicated to a **Greener Australia**. We prioritize local manufacturing partnerships, reducing the carbon cost of international shipping and strengthening our nation's sovereign technical capability.

Engineering is the tool we use to build the future. At AFEA, we are ensuring that future is clean, efficient, and Australian-made.

Sincerely,

Wagih Abu Rowin  
Director AetherFab Engineering Australia (AFEA)

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