

CAPABILITY OVERVIEW >> ENGINEERING · AUTOMATION · INTELLIGENCE

One firm. Every discipline. One point of contact.

A fractional, licensed engineering partner for small and medium manufacturers. In-house engineering depth at a fraction of the cost and commitment of a full-time hire, with deliverables that carry a P.Eng seal.

LICENSED P.ENG | PHD-LED | PMP-MANAGED

WHAT WE DELIVER

Engineering Consulting & Advisory

Design and decision reviews, feasibility and scoping, licensed sign-off and impartial second opinions.

Independent Testing & Failure Analysis

In-house flexural, tensile, impact and drop-weight testing to ASTM, data-sheet verification, and root-cause investigation.

Simulation & Modelling

FEA and composite modelling, deflection and code-compliance analysis, validated against physical results.

Automation & Integration

PLC and control-system programming, plus business-operations automation from order intake to labelling, inventory and reporting.

Product Development & Design-for-Manufacture

Concepts to build-to-spec prototypes and hardware, with BOMs, costing, tolerancing and vendor sourcing.

Lab Setup & Development

Labs designed, equipped, imported and commissioned from scratch, including the custom rigs no one sells off the shelf.

THE BENCH

Disciplines we cover

We bring the right discipline to the problem and manage it end to end, so you work through one point of contact rather than assembling a team yourself.

Mechanical

Materials

Structural

Chemical

Electrical

Automation & Controls

First conversation is free.

No obligation >> direct access to senior engineering

START A CONVERSATION**inquiries@ahura-tech.com (416) 900-7282**

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A sample of the work.

Anonymized engagements across testing, simulation, automation, product development and lab build-out. Backed by licensed professional engineering (P.Eng), doctoral-level engineering depth, and PMP project discipline, applied through standards-based practice across ASTM, ISO and CSA. Established 2018.

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SELECTED WORK

Supplier material, verified

Tested an FRP against its data sheet to ASTM D790, caught a modulus shortfall, and gave the client a defensible basis with the vendor.

Sound-barrier panel, proven by FEA

Cleared a lightweight acoustic panel to deflection code with composite FEA and found the design change that got it there, before a prototype existed.

Ballistic-webbing clamp, redesigned

Engineered out the failure point, validated by pull testing, and carried it to production; the approach contributed to a US patent.

Order-to-floor automation

Replaced a daily manual re-key with one click, from order import to labelling, inventory and live shop-floor displays.

Testing lab, sourced and built

Sourced, imported and commissioned a compliant tensile machine within a tight budget and built the lab around it.