TechScale Solutions
TURNING PROTOTYPES INTO PRODUCTS

Technical Advisory & Execution Support for Early-Stage Hard-Tech Companies

TechScale Solutions helps early-stage and growth-stage technology companies transform promising technical concepts into commercially viable products and systems. We work with teams developing complex, capital-intensive technologies to bring structure, clarity, and execution discipline to the scale-up process.

Through close collaboration with founders, engineers, and leadership, we help companies move efficiently from early development and prototyping through validation, pilot deployment, and initial market entry—maximizing learning while minimizing wasted time, capital, and technical risk.

Services

Technical Due Diligence & Feasibility
Before you invest, build, or scale—get a clear technical roadmap.
- Comprehensive technical due diligence and feasibility assessments across a wide range of hard-tech systems and platforms
- Evaluation of technical readiness, performance claims, development plans, and scale-up risks
- Facilitation of clear communication between technical teams, business leadership, boards, and investors
- Alignment on technical priorities, development timelines, and key risks
- Development and maintenance of structured project plans to keep teams focused on the most critical challenges

Product Development & Commercialization
Clearly define what you are building—and how it gets to market.
- Product and system requirements definition
- Techno-economic and cost modeling to inform design and commercialization decisions
- Design-for-manufacture and design-for-scale considerations
- Early manufacturing strategy and supply-chain development
- Support for transitioning from prototypes to pilot-scale or initial production systems

Leadership & Teaming
Build the right team at the right pace.
- Technical and strategic advisory support for founders and engineering leadership
- Mentorship and professional development for engineers and technical managers
- Resource and hiring planning aligned with development stage and funding profile
- Guidance on organizational structure as teams grow and responsibilities expand

Technology Strategy & IP Advisory

Protect and strengthen your technical foundation.

- Competitive technology and intellectual property landscape analysis
- Patent and IP due diligence to support fundraising, partnerships, or licensing
- Guidance on IP strategy aligned with product roadmap and commercialization plans
- Support for technology transfer and knowledge capture as teams and partners grow

Technology Validation & Field Testing

Bridge the gap between the lab and real-world deployment.

- Structured validation and test planning for emerging technologies
- Prototype testing, performance monitoring, and data analysis
- De-risking of early-stage technologies prior to customer pilots or demonstrations
- Support for pilot systems and early field deployments
- Independent verification of technical results to support credibility with customers, partners, and investors

Why Choose TechScale Solutions

- **Strategy & Focus:** We help teams concentrate effort on the technical decisions that matter most at each stage of development.
- **Hard-Tech Expertise:** Deep experience with complex, capital-intensive technologies, systems, and manufacturing challenges.
- **Practical Execution:** Hands-on guidance grounded in real-world constraints, not academic theory.
- **Capital Efficiency:** Early identification of technical risks and development pitfalls that can save time and funding.
- **IP-Aware Development:** Ensuring intellectual property is protected and aligned with long-term business goals.
- **Tailored Engagements:** Flexible support that adapts to your company's stage, culture, and technical needs.