



THESIS
ENGAGING INNOVATION

BUILD THE
FUTURE

TECHNOLOGY ACCELERATOR

THESIS is an avant-garde technology design and innovation consulting firm that delivers custom solutions to meet unique client needs.

Backed by multi-disciplinary expertise in various engineering and design fields, innovation lies at the core of THESIS and we deliver world-class bespoke solutions to every need.

Coupling our expertise in electronics, mechanical and embedded engineering with our comprehensive process of ideation, conceptualization, rapid prototyping and technology design methodologies, we have delivered numerous unique designs and solutions across various industries and sectors.

THESIS continues to expand the boundaries of technology with the relentless pursuit of scientific and technical accomplishments and the goal of creating positive and impactful experiences to bring about catalyzing change.



DEVELOPMENT PROCESS

01



Ideation & conceptualization

THESIS provides consultancy and technology design services for organizations. Our experienced evaluation team will work closely with your team for concept viability and then establish an optimal technology development roadmap.

02



Systems design and engineering

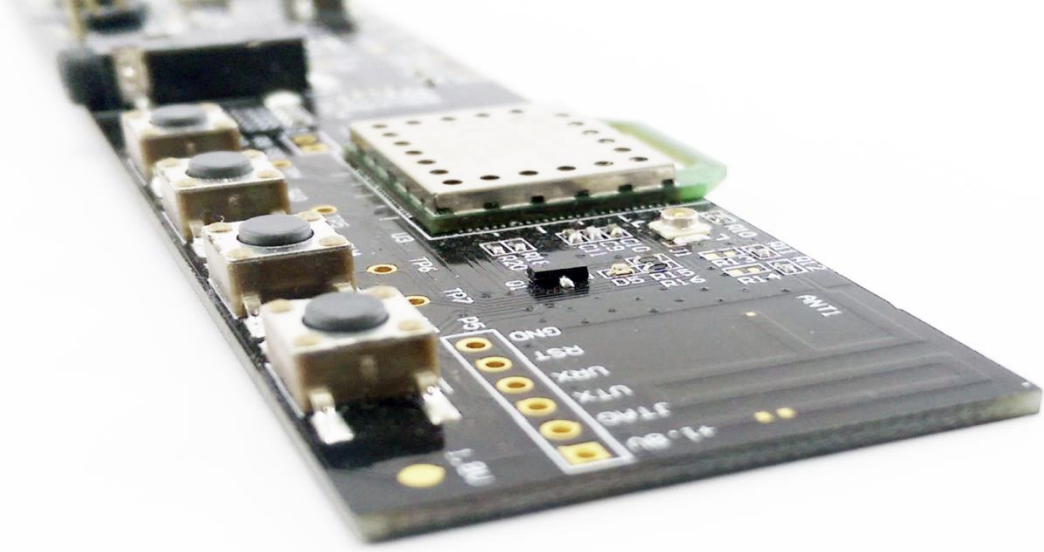
Suitable platforms identification, component and system-level design methodologies will be involved as our multi-disciplinary R&D engineering team applies analytical and experimental techniques for scientific demonstration of the technology's proof-of-concepts (POC).

03

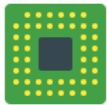


Systems deployment and commercial maturity

Late stage technology diffusion will depend on the technological readiness levels (TRL) of post-research development and could mature in one of several pathways - immediate utilisation and deployment, economic viability evaluation, strategic commercial alliances or productization via stockists, e-commerce platforms and distributors.



TECHNOLOGY DESIGN SPECIALISTS



Microelectronics and Electrical Engineering

Schematic & PCB design. Wearables, mobile and low-power battery management systems, health and environmental measurement sensors.



Firmware and embedded systems design

Microcontroller programming. System memory management. Real-time signals acquisition logging and processing. Algorithms and analytics.



Technology management consultancy services

Ideation and conceptualization for technological feasibility and viability. Road-mapping and economic viability assessment services.



Strategic Systems-level integration and deployment

Industrial design with rapid-prototyping. Product-systems function and manufacturability optimization. Materials and 3D-mechanical engineering.



Strategic manufacturing and logistics partnerships

Global asset management and manufacturing best practices. Design for manufacturing and low-volume assembly and distribution.



Investigative experimental processes

Evaluation and investigative studies. Relentless knowledge-creation and capability building via constant application of scientific knowledge.

By consistently investing in the latest technological advancements to ensure our design solutions remain future-ready. THESIS's dedicated design and engineering team bring together a multifaceted and inter-disciplinary approach to the design next-generation concepts into novel realistic solutions in order to meet current and future needs.

OUR APPROACH

DESIGN BUILD TEST REFINE

SETTING A TARGET

After evaluation and understanding the requirements, we propose and confirm the approach as well as establishing a technical target of the project. Your acceptance and approval of the design heralds the start of the project.

VALIDATING IT

Your prototype delivers the desired results. Special requirements or application-specific and manufacturing requests can be accommodated. Refined future designs could enhance a successful deployment

IDEATION

Have a concept in mind? Share your needs and intended application. From your desired specifications and preliminary design, our team of experienced engineers and developers will help you conceive a solution.

CRAFTMANSHIP

Get regular feedback and updates on the project's progress. Evaluate the designs, pictures, schematics and engineering drawings to ensure that your desired application is met.

DEPLOYMENT

Your journey doesn't end here! THESIS offers various technology evolution and commercialization options and models, every technology will have a unique path before affecting change to benefit end-users. Speak to our consultants to find out more.

THESIS



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