



FRANKLIN INNOVATION

E X P E C T E X C E L L E N C E

Designers of Electronic Solutions

CUSTOM PRODUCTS • WIRELESS SENSORS • BATTERY POWERED HANDHELDS

Feasible solutions are developed by the experienced application of proven technologies.

Call 406-600-6578 today to leverage our talent.
We will turn your ideas into exciting products!

► Develop Feasible POC (Proof-Of-Concept)

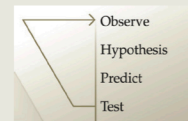
Many problems arise from needing to sense or control things in the real "analog" world.

Franklin Innovation has the electronics and software expertise to tie the "digital" world of computers to the "analog" real world.



ALUMINUM POROSITY DETECTOR
Quantifies sub-surface porosity size and location.

Scientific method is used to solve complex problems with proven technology:

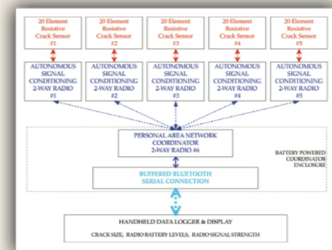


"...excellent and experienced electrical engineer with a vast knowledge in EE principles and with innovative approaches to solve tough problems. Thinking out of the box is his biggest forte."

Senior Research Physicist
Fortune 500 Military Client

► System Design

Detailed systems engineering approach includes: acceptance criteria, milestone schedule, system block diagrams, connection diagrams, detailed flow charts, risk mitigation analysis, BOM (bill-of-materials) and regular reviews with the client for enhanced optimization at each step of the design process.



SYSTEM BLOCK DIAGRAM
Many diagrams created to document system flow & connections

Well organized and orchestrated systems engineering leads to shorter development time, lower costs, optimized performance, and client understanding & confidence based on clear visibility of progress, obstacles, and results.

"In the future, all of our test stand projects will be organized and developed using the Franklin Innovation systems engineering approach."

Automation Manager
Global Materials Company

► 3D CAD Modeling (Computer Aided Design)

Our capability produces visual representations that may be emailed to many contacts for review using a free 3D viewer. This viewer allows untrained user to look at model from any perspective, and even peel away layers and peek inside easily.



CAD HEADPHONES
Components dimensionally correct

3D modeling is a fast and cost effective method for determining feasibility and obstacles.

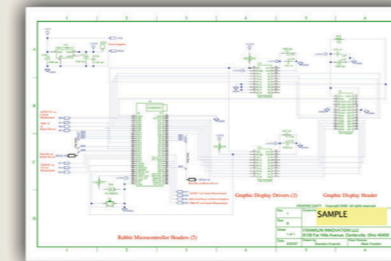
These models also serve to quickly demonstrate and sell a concept, expediting funding approval.

"...provided engineering and design support to me over many years ... ably met expectations of performance and cost ... can work with limited information on open ended tasks and provide options for their completion ... wholeheartedly recommend his company to others."

Chief Technical Officer
High Technology Company

► Electronic Design

Electronic circuits and schematics are developed into laboratory prototypes, tested, and optimized. The final proven circuitry is then developed into a multi-layer printed circuit board to UL, CSA, and VDE standards.



ELECTRONIC SCHEMATIC
High performance multilayer printed circuit board

Our custom electronic solutions are produced with proven tools, components, and suppliers.

Our board layout optimizes product performance and life.

"... tremendous technical knowledge and skills utilized numerous times on critical project ... works through difficult problems with ease ... highly professional, on-time, and on-budget ... provided above-and-beyond results in every collaborative technical effort."

Senior Materials Engineer
Air Force Research Labs

► Software Design

Software capabilities and expertise include: C language programming; Labiew™ for control and user interfaces; special libraries for wireless communication & PDA communication with laptops; image analysis algorithm development; microcontroller coding; and much more.

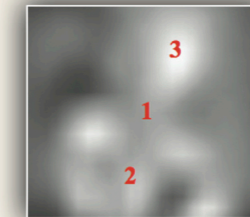


IMAGE ANALYSIS
Prioritized areas determined via user influenced software algorithm

User interface enhancements optimize operation & flexibility.

All software is carefully flow charted to model the performance prior to coding; identifying risks to mitigate.

"... Franklin Innovation exceeded our requirements and expectations. This test stand is now the standard by which we judge test systems here. I look forward to using your services again."

R & D Engineering Manager
Fortune 1000 Commercial Client

► System Integration

A reliable instrument or test system is the result of careful and thoughtful attention to all details. Each block of system is isolated, reviewed, tested, and optimized.



COMPOSITE ACTIVE HEALING INSTRUMENT
Custom electronics & software

Solutions include differentiation features by utilizing proven cutting edge technologies.

A combination of COTS (commercial-off-the-shelf) and custom hardware & software, reduce development time & costs, while improving the supportability.

"I could not be more pleased with the performance of Franklin Innovation on this SHM development project."

Lead Engineer
Commercial R & D Company

SYSTEM ENGINEERING PROCESS

Verification
Risk Identification & Mitigation
Documentation

"You have been doing great. I've never been sorry we got you on board."

Senior Staff Engineer, Fortune 50 Company



Published inventor of crack detector for Boeing 737 is an "inventor for hire".

Franklin Innovation LLC is a proven high-tech research & development firm with the experience and technical resources to develop your solution.

The key to the successful execution of every technical project is experience, discipline and creativity.

Our strengths avoid costly rework and delays, while delivering next generation results today.

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