

Conception... to ... Production

Ishtronics has put together rich and diverse resources to move a product from conception to production. Every product goes through various stages between these two points of development. We have identified these stages similarly to the stages of human growth. We refer to these stages as "The Track". We can design to meet any required standard specification (UL, VDE, TUV, or IEEE).

PRODUCT DESIGN ENGINEERING CONSULTANTS

"We shorten your time to market"

A CERTIFIED MICROCHIP CONSULTANT



THE TRACK

(PRODUCT DEVELOPMENT CHART)

CONCEPT (EMBRYO)

- ◇ VISUALIZE
 - BRAINSTORM
 - NOTES
- ◇ MODEL
 - STRUCTURE
 - SIMULATION
- ◇ FEASIBILITY STUDY (SMALL)
 - COMPETITION
 - COPYRIGHT OR PATENT INFRINGEMENTS
 - TARGET MARKET

PROTOTYPE (CHILD)

- ◇ FLOW CHART OF DESIGN
- ◇ FLOW CHART OF SOFTWARE
- ◇ SCHEMATIC
 - PART SEARCH
 - AVAILABILITY/LEAD TIME
- ◇ PCB LAYOUT
- ◇ PCB PRODUCED (OUTSOURCED)
- ◇ PARTS PURCHASED (MUST BE PREPAID)
- ◇ STUFFING PCB/TESTING (VERIFY W/ SCHEMATIC)
- ◇ SOFTWARE/TESTING
- ◇ PCB INSTALL

FINISHED PRODUCT (ADULT)

- ◇ UPGRADE/RETROFIT
- ◇ REDESIGN
- ◇ MANUFACTURE

"We can fit into any stage of your design."

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We are a company with vast experience in various industries from security to medical.

DESIGN DEVELOPMENT SUMMARY:

- SWITCH RELUCTANCE MOTOR, INDUCTION MOTOR, AND STEPPER MOTOR
- BATTERY CHARGERS – SMART & DUMB
- VARIOUS PRODUCTS FOR AUTOMOTIVE INDUSTRY
- GPS BASED VEHICLE TRACKING SYSTEM
- HEATING PAD
- FIBER OPTIC COMMUNICATIONS
- ELECTRONIC CONTROLS FOR MEDICAL DEVICES
- CARBON MONOXIDE DETECTORS
- AIR FILTER
- RF BASED PRODUCTS
- CRYOGENIC REFRIGERATION EQUIPMENT
- INCUBATORS
- BLOOD PRESSURE MONITORS
- ALARM SYSTEM CONTROLS
- DATA ACQUISITION DEVICES
- CHEMICAL AGENTS DETECTION SYSTEMS
- CODE FOR USE WITH WINDOWS™ 3.1/98/ME/CE/NT 4.0/2000, DOS™, UNIX™

WE PROVIDE IN-HOUSE WORKSHOPS FOR HARDWARE, SOFTWARE, AND FIRMWARE DEVELOPERS

Contact Us!

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