15
STEPS

TO **DEVELOP** YOUR NEW **ELECTRONIC** HARDWARE PRODUCT

PREDICTABLE
DESIGNS

15 STEPS TO DEVELOP YOUR NEW ELECTRONIC HARDWARE PRODUCT

STEP 1 — Define your product based on your market research

STEP 2 — Understand *costs* & *obstacles* then simplify product as needed

STEP 3 — Formulate your plan to surpass those *costs* & *obstacles*

STEP 4 — Pick your development strategy and team

STEP 5 — Design schematic circuit diagram for the electronics

STEP 6 — Generate the Bill of Materials (BOM) for the electronics

STEP 7 — Design the Printed Circuit Board (PCB) for the electronics

STEP 8 — Develop the electronics firmware and software

STEP 9 — Design 3D computer model for the product's enclosure

STEP 10 — Get independent design reviews for electronics & enclosure

STEP 11 — Prototype the PCB for the electronics

STEP 12 — Prototype your product's enclosure

STEP 13 — Evaluate the PCB prototypes, revise as needed

STEP 14 — Evaluate the enclosure prototypes, revise as needed

STEP 15 — Get required certifications (FCC, UL, CSA, CE, RoHS, etc.)