

PRODUCT DESIGN

STUDY & INITIALIZATION

- desktop research
- mood board
- service/product overview
- documentation

IDEA & CONCEPT DESIGN

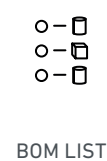
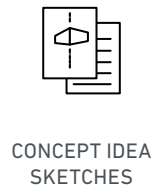
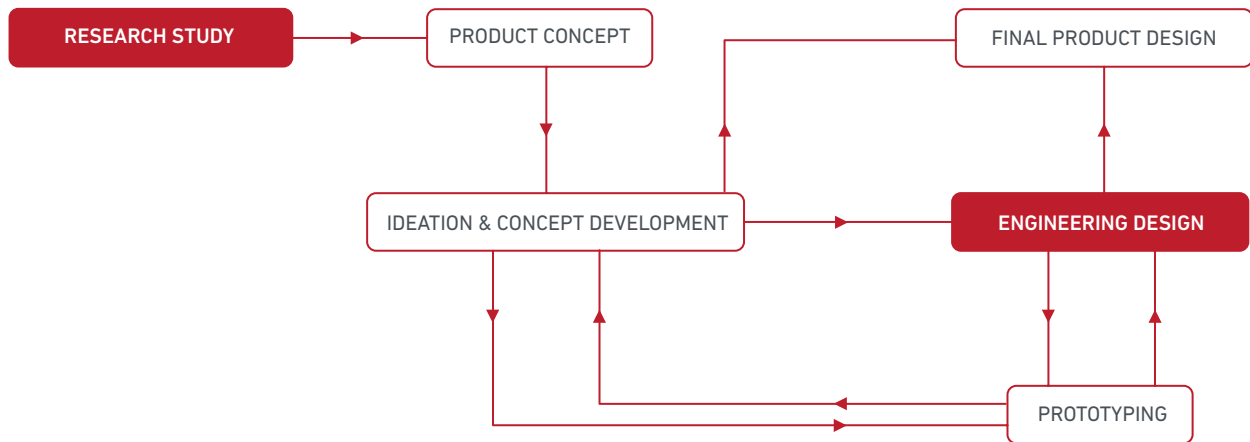
- product ideation
- rendering and visuals
- concept sketches
- concept prototyping

PRODUCT DESIGN & DEVELOPMENT

- functional design
- ergonomics
- formgiving and styling
- part and casing design

ENGINEERING *WITH EVOPRO

- manufacturing design
- electric design
- embedded software design



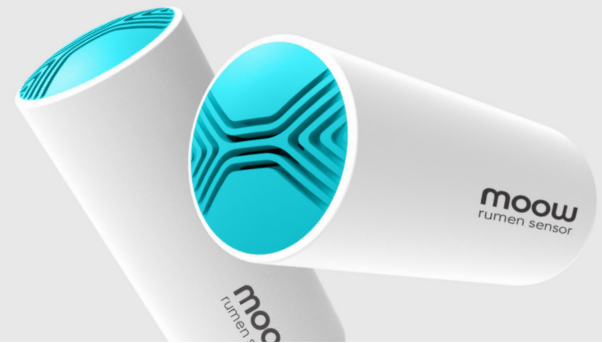


RMG POWER ANALYZER & SMART SOCKET INDUSTRIAL & OFFICE AUTOMATION DEVICES

- ideation & design concept
- visualization & rendering
- typography and product graphics
- pre-production cad files

MOOW RUMEN SENSOR

- research ideation / prototyping
- documentation
- visualization
- color&graphic design



CUBILOG ULTRAMODULAR DATA ACQUISITION SYSTEM

- ideation & design concept
- visualization & rendering
- typography and product graphics
- manufacturing design

OBU ON-BOARD ROAD-FEE PAYMENT UNIT

- ideation & concept
- prototyping
- visualization & 3D
- custom user interface



ESTIMATED WORKLOADS

IN HOURS

		estimated workloads (hours)	additional costs
DESKTOP RESEARCH		16-40	-
MOOD BOARD		4-8	-
SERVICE/PRODUCT OVERVIEW		16-40	-
PRODUCT IDEATION		16-40	-
CONCEPT DESIGN	/2-3 concepts	24-48	-
SKETCH-STYLE VISUALIZATIONS	/image	4-8	-
PHOTO-REALISTIC VISUALIZATIONS	/image	4-8	+ stock images (optional)
PROTOTYPE TESTING		20-40+	+ prototyping costs
SCALE MODEL DESIGN	(preparation for prototyping)	8-16	+ prototyping costs
FINAL DESIGN	(ready for manufacturing consultation)	24-60+	+ cost of standards (optional)
MECHANICAL DESIGN (WITH EVOPRO)	(ready for tooling)	40+	+ travel costs (optional)
MANUFACTURING SUPPORT		depends on project	+ travel costs (optional)
PROJECT MANAGEMENT		10-15%	
DOCUMENTATION		5-10%	