

# onepointsix

## DESIGN PROCESS OVERVIEW

### CONCEPT DESIGN

#### DESIGNER - Concept Design

- Receive brief and stakeholder input
- Research & Concept Ideation (hand sketches / basic 3D CAD)
- Internal Design Review (Several concepts are selected internally for further development)
- Concept Refinement (hand sketches / 3D CAD)
- Second Internal Design Review (1 to 5 refined concepts are selected for presentation to client)
- Concept Presentation (3D photorealistic renders, concept presentation slideshow, animations (if required), web based 3D rendered CAD objects for client review)

#### CLIENT - Review Concepts

- Review presented concepts with stakeholders
- Gather user/community/other input
- Select concept for development (which will be developed based on client feedback and manufacturing requirements)

### DESIGN FOR MANUFACTURE (DFM)

#### DESIGNER - Design for Manufacture (DFM) - Engineering Design

- Further development and resolution of design details (based on design requirements and client feedback)
- Engineering Design (3D CAD, Technical Drawings, Simulation)

#### CLIENT - Review Design Documentation

- Review presented concepts with stakeholders
- Provide feedback to designer

#### DESIGNER - Design for Manufacture (DFM) - Engineering Design

- Final refinement of design details (based on design requirements and client feedback)
- Output for prototype

#### CLIENT - Approve for Prototype

- Review design documentation and approve for prototyping

### PROTOTYPING

(Repeat as required - typically 1 to 3 prototypes are required)

#### DESIGNER - Prototyping

- Produce Prototype
- Test and Review Prototype

#### CLIENT - Review Prototype

- Produce Prototype
- Test and Review Prototype
- Provide feedback to designer

#### DESIGNER - Design for Manufacture (DFM) - Engineering Design

- Modifications to design based on prototype testing
- Output for prototype (or for production if prototyping was successful)

### PRODUCTION

#### DESIGNER - Production Samples

- Provide technical documentation required for manufacture
- Liaise with our contractors/manufacturers to produce any tooling required for production

#### DESIGNER - Off-Tool Samples / Production Samples

- Liaise with our contractors/manufacturers to produce samples for testing/approval
- Test samples
- Update design as required
- Produce additional samples and re-test as required

#### CLIENT - Review Sample/s

- Review samples
- Provide feedback or approve samples

#### DESIGNER - Production

- Liaise with our contractors/manufacturers for production run
- Manage any production issues
- Deliver parts to client

### INSTALLATION

(If required)

#### CLIENT - Facilitate Installation

- Provide instructions/locations/access for installation

#### DESIGNER - Installation

- Liaise with our contractors/installers to manage installation