



"Eluminance Barrier Tape" - Designed for crowd control in poorly lit conditions using SIMTech's proprietary printed lighting technology



"Aery" - A product that features a 2 stage air disinfection process that allows for maximum disinfection efficacy

## DESIGN LAB

Combined with our expertise in product design and membership framework, we provide a suite of design and consultancy services to our members.

### DESIGN SERVICES



DESIGN RESEARCH



AESTHETIC INSPIRATIONS



UI | UX



CONCEPT GENERATION



3D MODELLING/ RENDERING



PROTOTYPING



ACCESS TO IF LABS



MARKETING & PUBLICITY



COLLABORATIVE ECOSYSTEM



INVITATIONS TO EVENTS & WORKSHOPS

## BUILD LAB: ADDITIVE MANUFACTURING

**Rapid Prototyping:** By leveraging best-in-class 3D printers and equipment, access simulation technology to reduce trial and error testing to find successful build configurations through rapid prototyping.

### Build Volume

Max : L690 x W500 x H600mm (Essentium)  
Min: L145 x W145 x H185mm (Form 3B)

### METAL

DMP Flex 350



Markforged Metal X

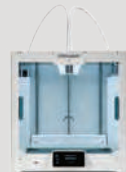


Essentium HSE180-HT



### POLYMER

Ultimaker S5



Markforged Onyx



FormLab Form3B



## IMAGING & MATERIAL LAB

Delve in a web of knowledge in materials and the ability to realise potential in innovative ways through the exploration of 3D sensing, displays, AR/VR and mixed media solutions.

### MAKER SPACE



MATERIAL MANIPULATION



MATERIAL LIBRARY



VISUAL DOCUMENTATION



AR | VR



Innovation of alternative materials with sustainable approaches and design developments

# I D E A MODEL

## I D E A T I O N

Application of design thinking methodologies and consultancy on key design elements

## D E S I G N

Advanced product & engineering design leading to rapid prototyping

## E N G I N E E R I N G

Gain access to a pool of technology experts and equipment in various industries

## A P P L I C A T I O N

Bringing products to mass production through contract manufacturers and production lines

## VISION

The one-stop design and solution centre for Singapore SMEs

## MISSION

To support SMEs from ideation to design and engineering stage, and migrate them to product owners in order to venture into higher value markets

## OBJECTIVES

Enable local SMEs to move up the value chain and broaden business opportunities



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