

JAMAN YOUNG.

hello...

I am a product design engineer with a passion for working with inspiring people to create functionally and aesthetically desirable concepts and seeing them through to market

EMPLOYMENT HISTORY.

Product Design Engineer, Scandia Heating

May 2017 - May 2019

Responsibilities

- Generate creative concepts for gas and wood fired heaters that are in keeping or ahead of current trends, affordable and appropriate for medium volume production runs.
- Resolve the features and mechanics of heaters, package gas control systems, design to relevant AS/NZS and standards from other markets.
- Test products in-house.
- Use SolidWorks to make 3D models, engineering drawings and assembly diagrams.
- Present to management throughout all stages of the design process.
- Liaise with manufacturers in China.
- Use KeyShot to produce renders for marketing use

Achievements

- Established in-house design process where design was previously outsourced
- Successfully designed a range of wood heaters stocked by Bunnings Warehouse

Medical Alarm Technician, CareAlert

January 2015 - April 2017

Responsibilities

- Install medical alarms in elderly people's homes
- Demonstrate the CareAlert product to senior citizens clubs and aged care organisations

Achievements

- Learned to manage peoples anxiety towards new technology

Storeman, Converse

August 2012 - April 2017

Responsibilities

- Organising stock in warehouse, recording location and confirming shipments are correct

Achievements

- Consistently received positive feedback from supervisors regarding my perseverance in completing tasks

SKILLS SUMMARY.

Personal

- Enjoy working with people. Demonstrated at my past work, CareAlert, working with new clients daily.
- Focused and motivated to learn. Proven by my continuation of study after university.

Design

- Ability to think of good ideas. Several concepts progressed to market or currently in development.
- Design with empathy for the end users. Took initiative in working with software and hardware engineers to improve the usability of a gas heater remote control system.

Engineering

- Excellent problem solver. Constantly tweaked products at Scandia to improve reliability and reduce cost.
- Sound understanding of how things work and how they are made. Gained through various university projects - including designing a tool for an injection molded part.

SOFTWARE.

Thorough knowledge & practical skills with the following systems and software:

- Windows and Mac
- Microsoft Office – Word, Excel, PowerPoint
- Adobe CC – Illustrator, Photoshop, InDesign
- SolidWorks
- KeyShot

EDUCATION.

Bachelor of Engineering (Honours) (Product Design), Minor in Electronic Engineering
Swinburne University of Technology
2016

Graphic Design (Certificate IV in Design)
Shillington College
Current

Victorian Certificate of Education
Donvale Christian College
2011

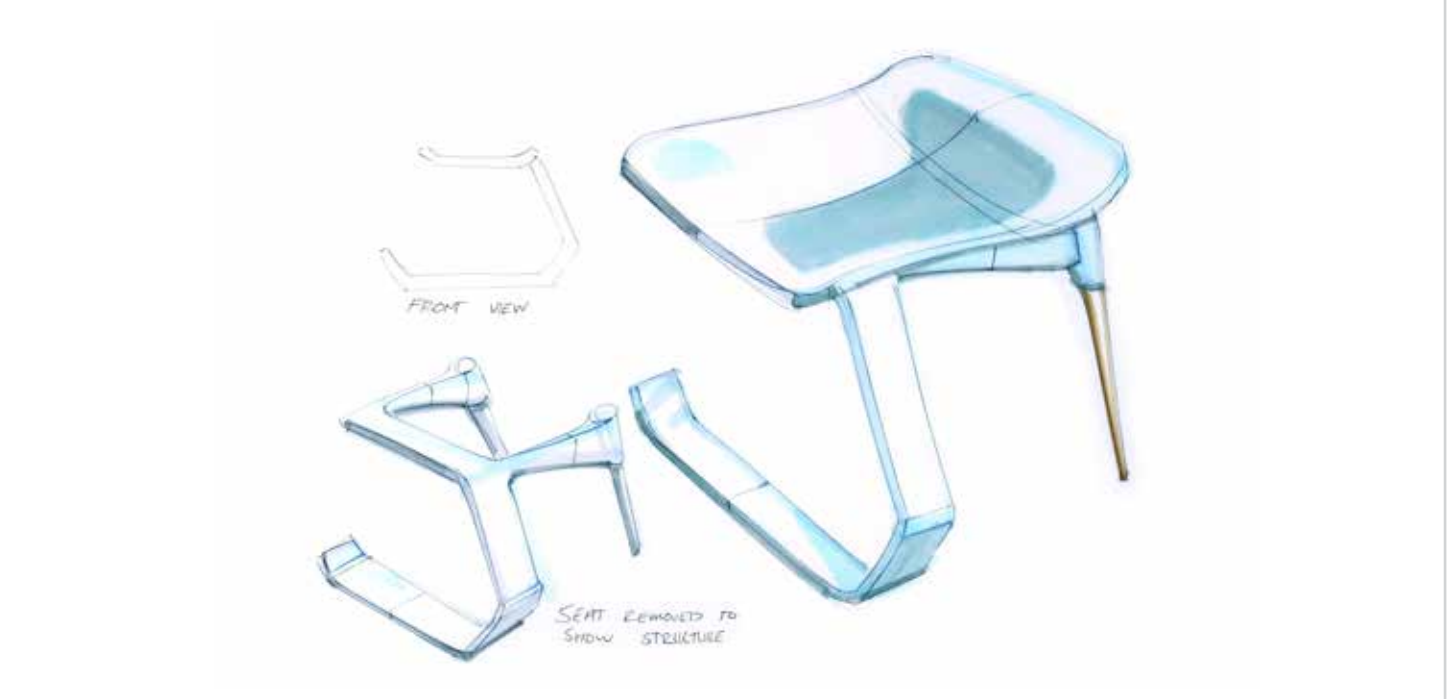
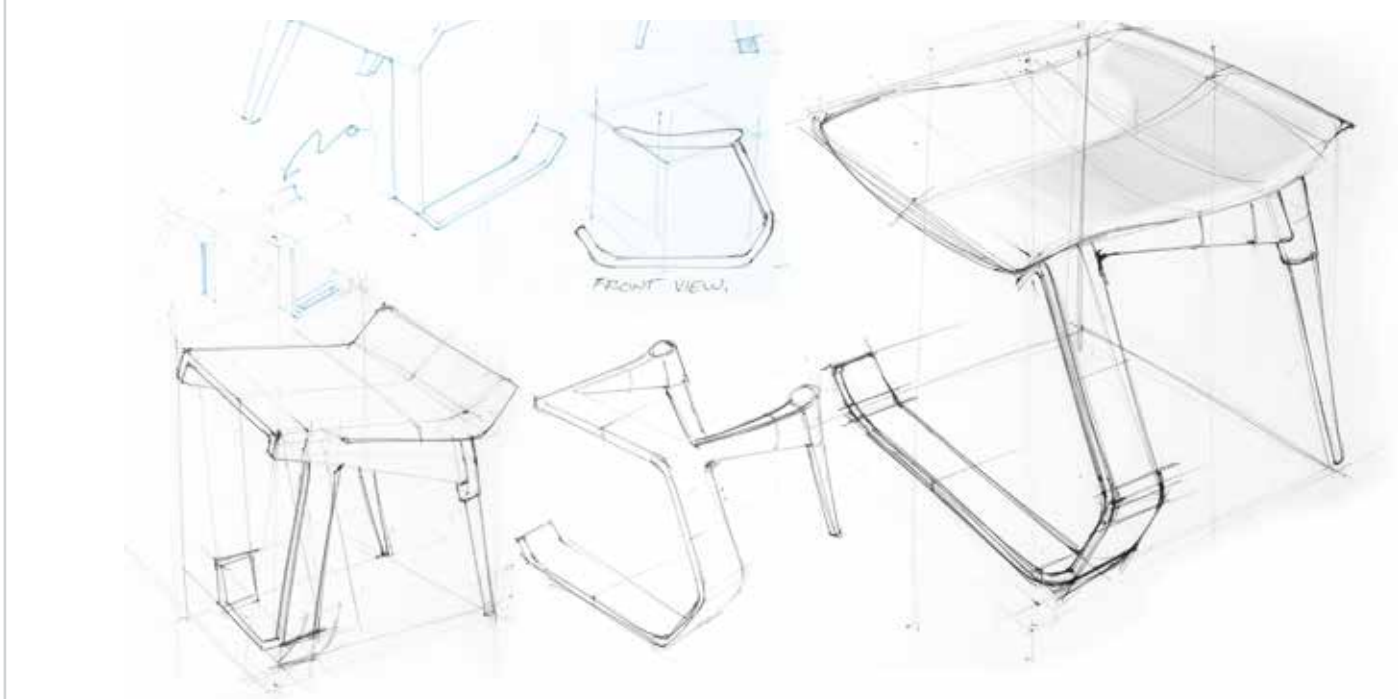
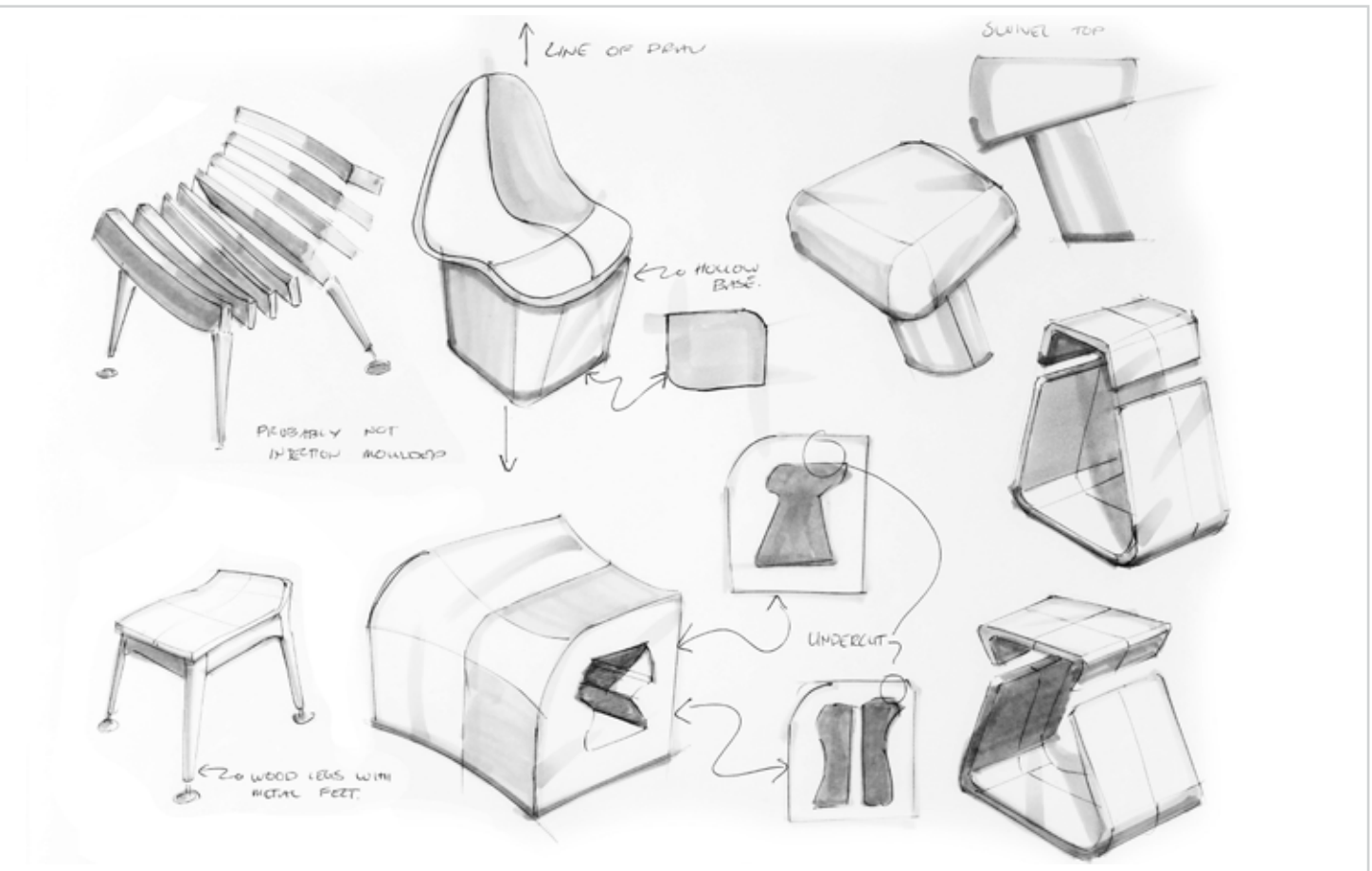
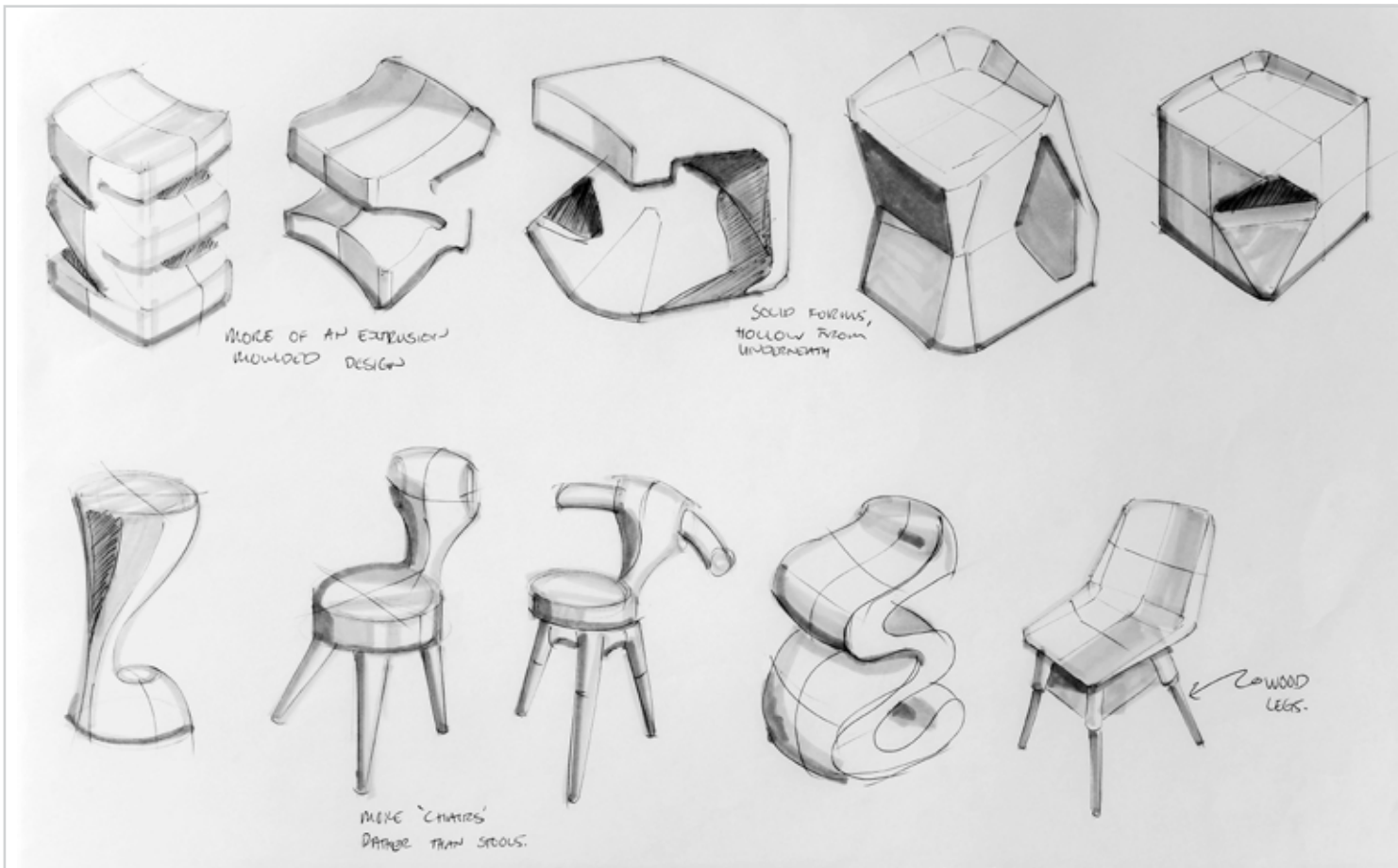
REFEREES.

Mr Dushan Wickramaratna
Head Engineer, Scandia Heating
Carrum Downs, VIC
Ph: 0423 273 587

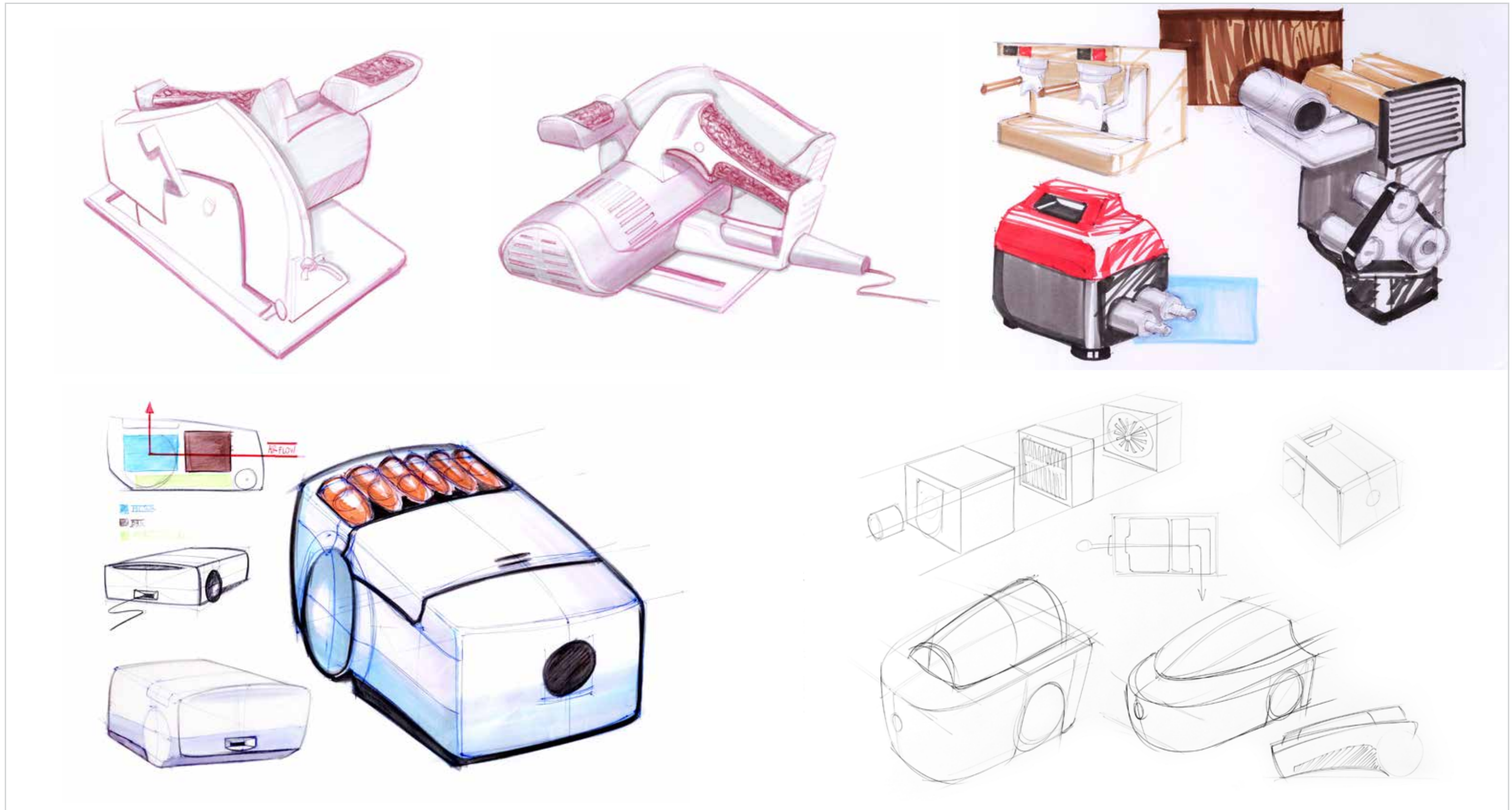
Mr Peter Moulder
Warehouse Manager, Authentics Australia
Mitcham, VIC
Ph: 0402 092 742

Mr Barry Steele
Manager, CareAlert
Surrey Downs, SA
Ph: 0413 303 801

SKETCHES



SKETCHES



INFANT PROTECTION CAPSULE



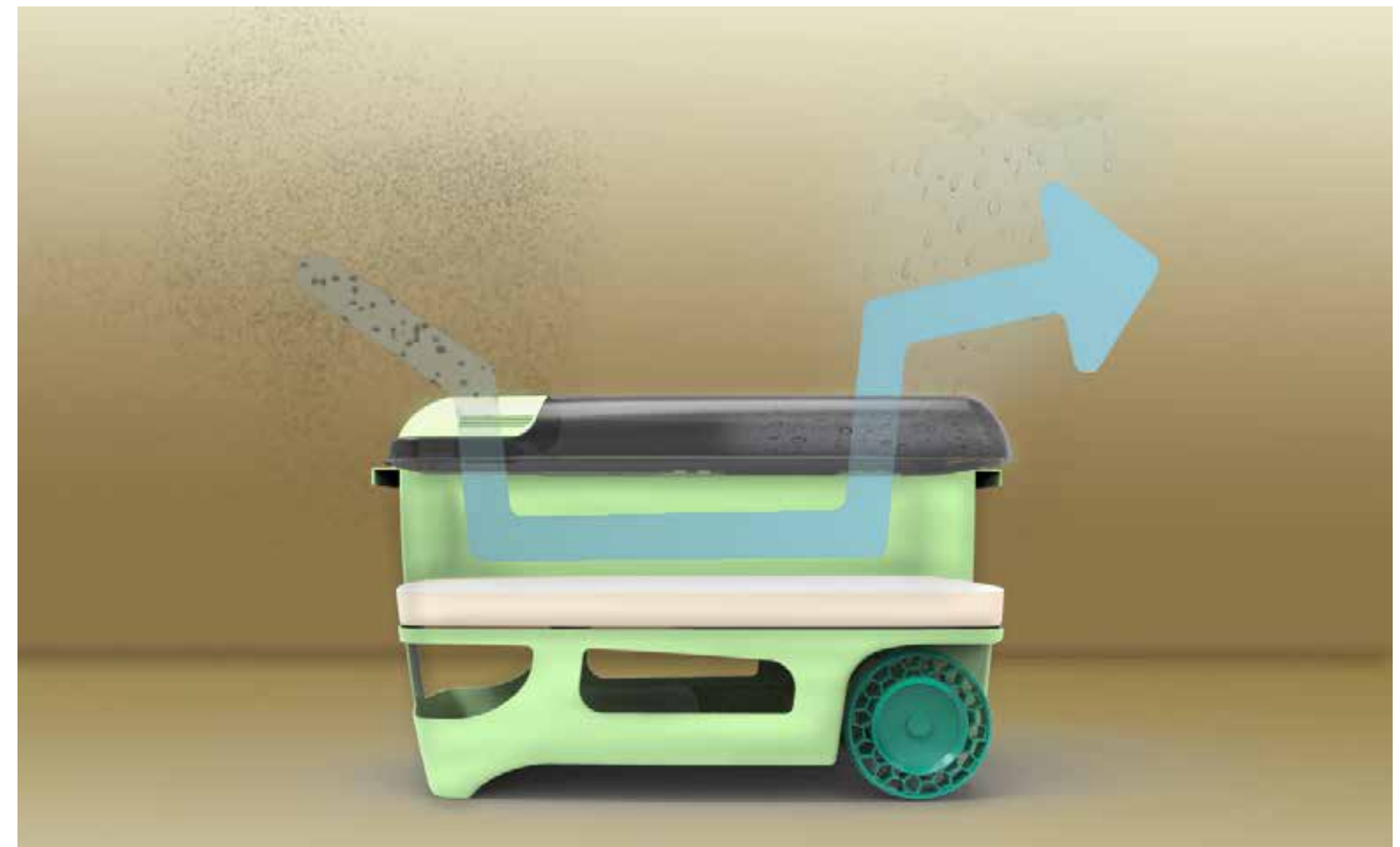
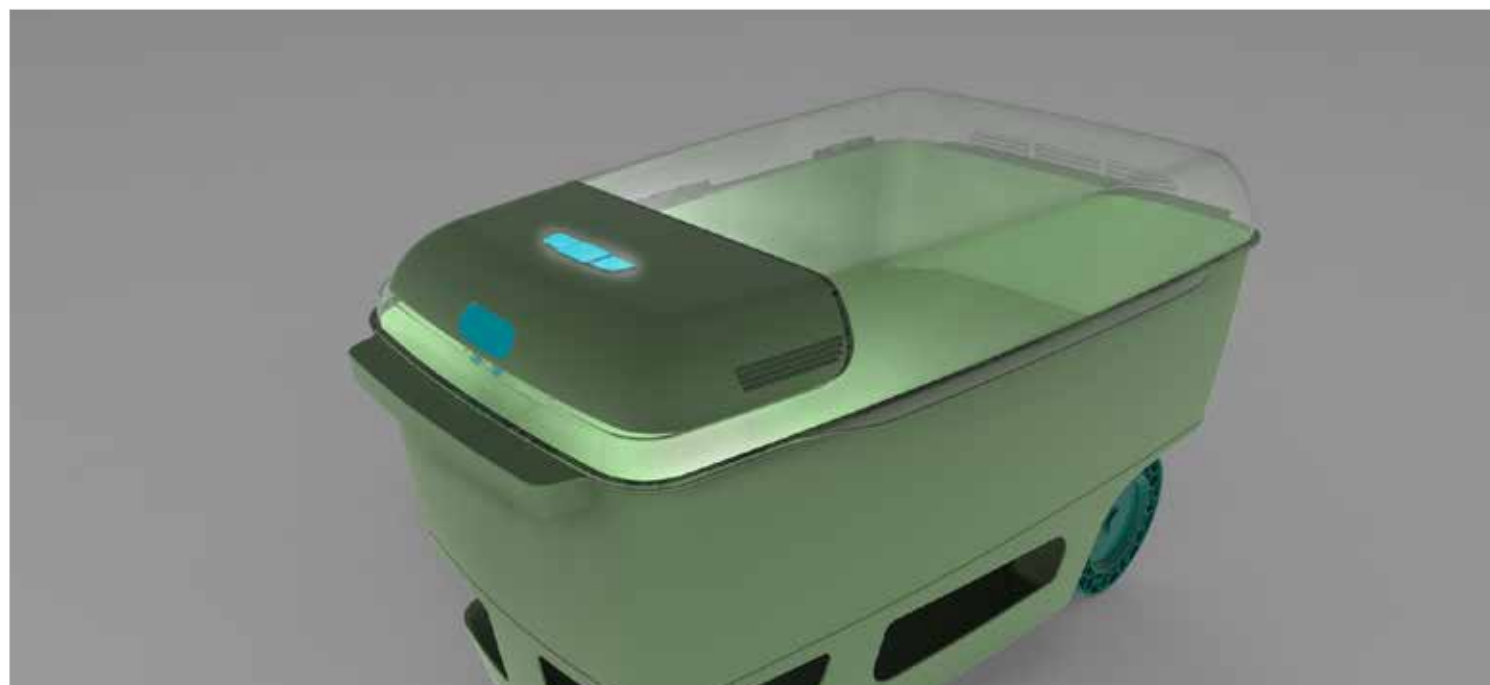
INFANT PROTECTION CAPSULE



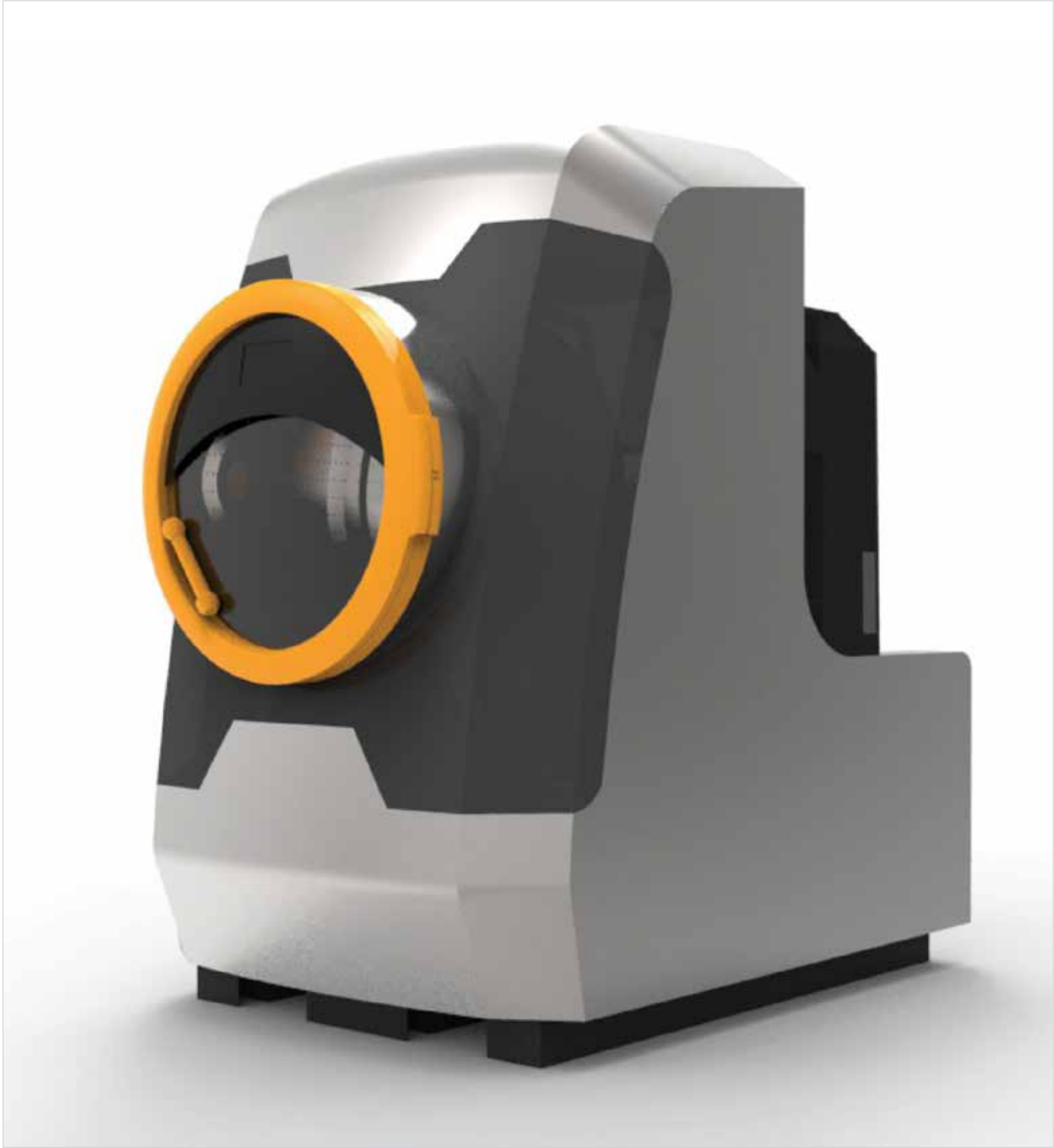
CLIENT
Swinburne University

PROJECT
A bed for use by infants in extreme environments and environmental disasters

SKILLS
SolidWorks, KeyShot, Adobe Photoshop, injection moulding



DRY CLEANING MACHINE



CLIENT
Swinburne University / MICROHEAT

PROJECT
A dry cleaning machine designed to use non-toxic solvents heated by MicroHeat technology

SKILLS
KeyShot, SolidWorks, metal fabrication, injection moulding



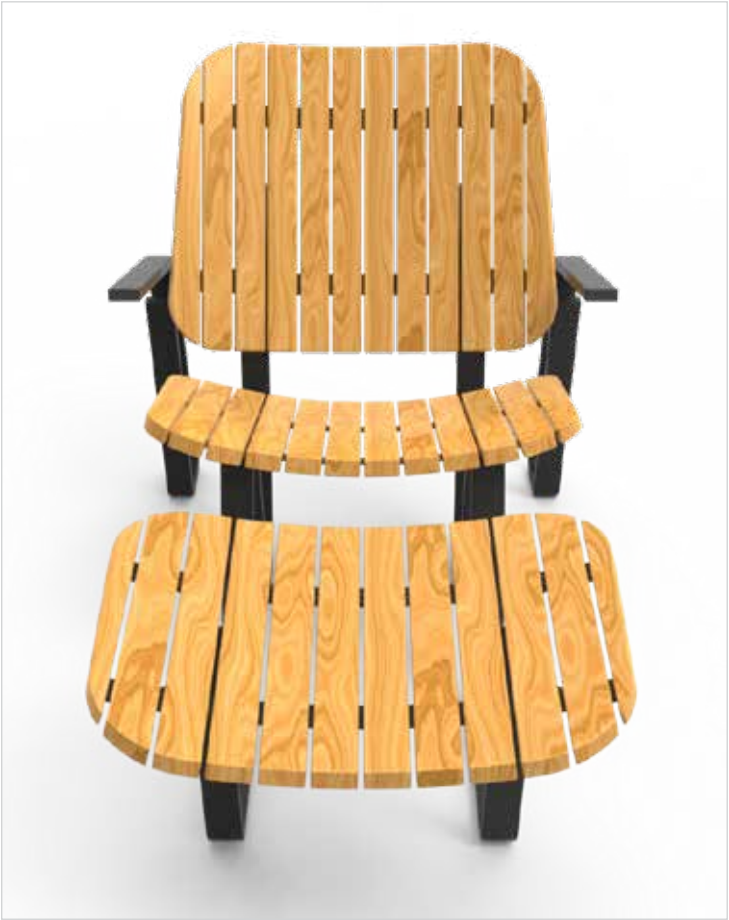
POCKET PARK LOUNGE CHAIR



CLIENT
Swinburne University / Town & Park

PROJECT
A high-end outdoor seat for pocket parks and small gardens

SKILLS
metal fabrication, woodworking, SolidWorks, KeyShot



BOTTLE CLEANER



BOTTLE CLEANER



Place bottle cleaner into the bottle, along with soap and water.



Replace the bottle lid.



Shake the bottle for approximately fifteen seconds.



Empty the contents of the bottle into sink. Keep the bottle and cleaner for later use.

CLIENT: Swinburne University / Oates
PROJECT: A bottle cleaner designed to clean bottles in a fun way
SKILLS: Concept design, injection moulding, SolidWorks, KeyShot

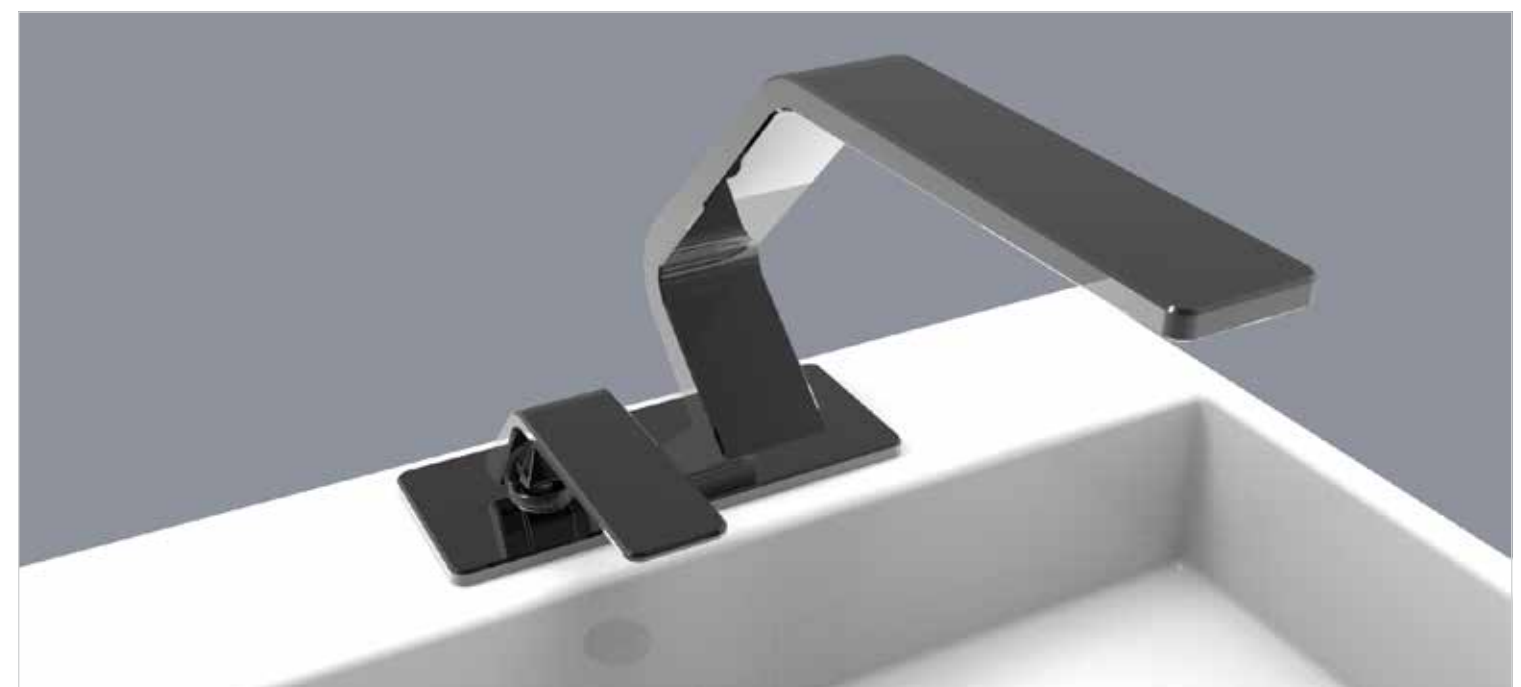
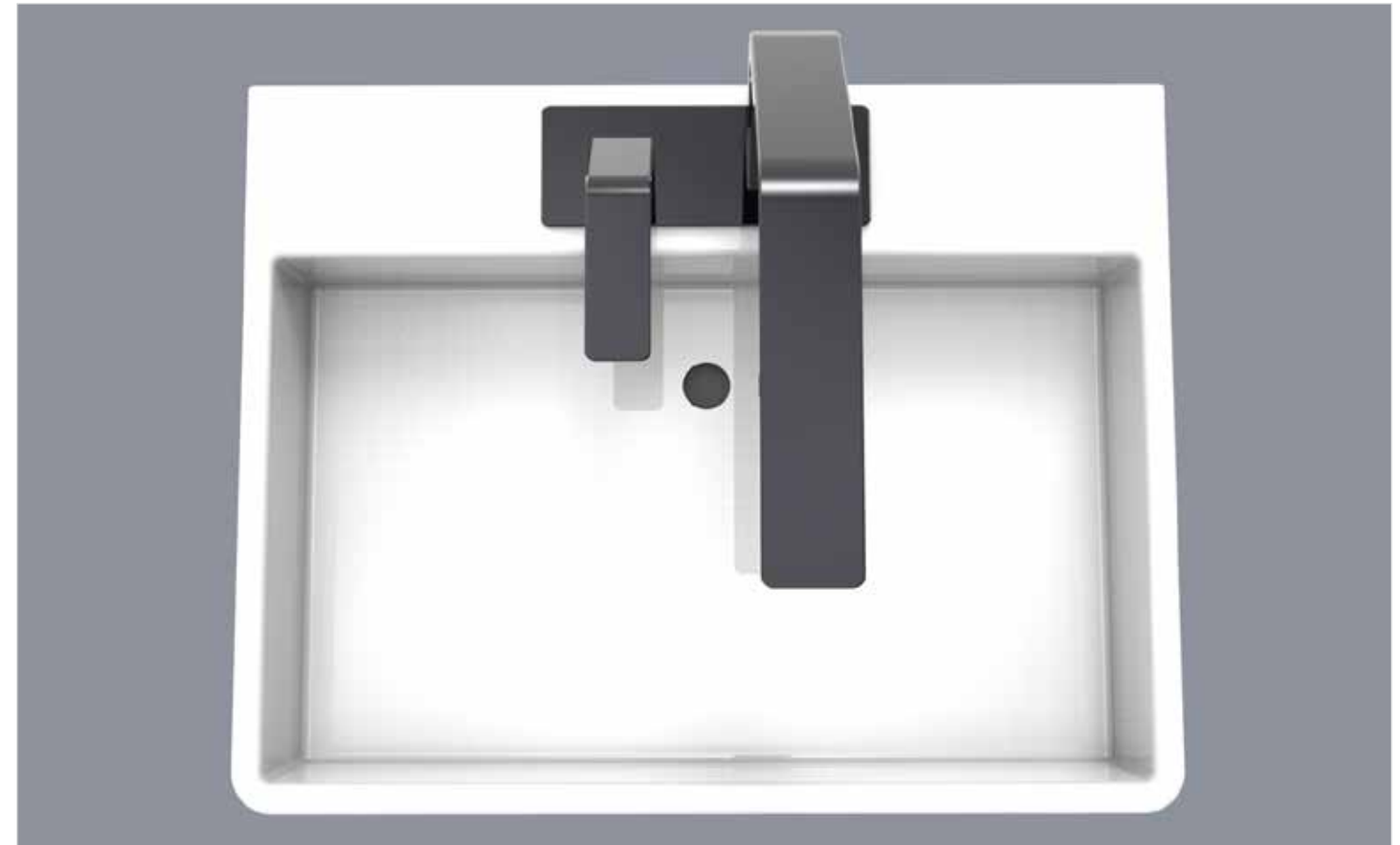
BATHROOM TAP



CLIENT: Swinburne University

PROJECT: A bathroom tap designed using the golden ratio

SKILLS: SolidWorks, KeyShot, die casting



WEARABLE EMERGENCY RESPONSE DEVICE



CLIENT

Swinburne University

PROJECT

A medical alarm for use by elderly people at risk of injury due to falls.

When a fall is detected, notifications are sent to family members and carers.

Designed to remove stigma through modern styling cues.

SKILLS

Human focused design, machining, electronic engineering, SolidWorks, KeyShot, Adobe CC

