



# CAPABILITY STREAMS



**EKIUM**  
AUSTRALIA

**DESIGN + DRAFTING**

**PRODUCT DESIGN**

**DIGITAL TWIN**

**ENGINEERING**



**EKIUM**  
AUSTRALIA



Mechanical & Structural

Virtual/Augmented Reality

Building Services

Product Design

Electrical

Digitalisation

Piping

Prototyping

## About Us

EkiUm specialise in all forms of computer aided design, drafting, engineering and visualisation, to deliver a comprehensive range of in-house design and drafting services, from basic 2D layouts to complex 3D modelling and design, supported by a broad range of software packages.

We have developed cutting-edge, bespoke visualisation and visual communication tools and services including virtual reality (VR) and augmented reality (AR).

We provide you with personalised options for outsourcing and secondment to meet your resourcing needs, all underpinned by our group's ISO 9001 accredited quality system and a commitment to delivering value for money.

## Memberships

- > Australian Industry Defence Network (AIDN)
- > Australian Industry Group (AIG)
- > Austmine
- > French-Australian Chamber of Commerce & Industry (FACCI)
- > Water Industry Alliance (WIA)
- > TACTIC (formerly Global Maintenance Upper Spencer Gulf)
- > Engineers Australia

## Disciplines

- > Mechanical
- > Structural
- > Electrical
- > Piping
- > Process
- > Building Services
- > Product Design
- > Digitalisation
- > Virtual Reality
- > Augmented Reality
- > Prototyping

## Software

- > Catia
- > Siemens NX
- > SolidWorks
- > PTC Creo
- > Autodesk Inventor
- > AutoCAD
- > Plant3D
- > Smartplant P&ID
- > Advance Steel
- > MicroStation / CADconform
- > Autodesk 3DS Max
- > Adobe Suite
- > Unreal Engine
- > Unity3D
- > Blender

## Design/Drafting

- > Machinery, Structural & Mechanical
- > Piping Isometrics
- > Electrical
- > As-Built Drawings
- > Paper to CAD Conversions
- > P & ID

## Digital Twin

- > Virtual and Augmented Reality (VR/AR) Simulations and Applications
- > Digitization / Scanning / Point Cloud Manipulation
- > Product Configurators
- > Animations and Rendered Images
- > 3D Printing / Additive Manufacturing

## Key Customers

- > ASC
- > BAE Systems
- > PMB Defence
- > Raytheon
- > Redarc
- > Silenium Defence
- > BHP
- > Mineral Technologies
- > Thermo Fisher Scientific
- > SA Water
- > EPIC Energy
- > LMS Energy
- > Suez
- > Verseng
- > Minelab
- > Mitsubishi Motors

## Product Design

- > Concept
- > Prototype (workshop & 3D printing)
- > Testing
- > Import Replacement
- > Customisation
- > Reverse Engineering

## Engineering

- > DFMEA and Risk Assessment
- > Concept Design Solutions (eg. FEA & Optimisation)
- > Compliance and Certification
- > DFM
- > Shock and Vibration Analysis
- > CFD

## Industries

- > Defence
- > Mining
- > Minerals & Resources
- > Automotive
- > Utilities
- > Manufacturing
- > Agriculture
- > Oil & Gas Infrastructure
- > Transport
- > Energy
- > Space