ARKANCE - Global Coverage with Local Focus

We are the **world's largest** provider of Autodesk software and professional services to the Built Environment and Manufacturing sectors.







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TRAINING SERVICES



CUSTOMIZATION, INTEGRATION & AUTOMATION



BIM SERVICES AND CONTENT DEVELOPMENT



DATA
MANAGEMENT &
CLOUD SOLUTIONS



PROJECT & TECHNOLOGY SUPPORT SERVICES



SUSTAINABILTIY SERVICES







Dorota BacalSustainability and Innovation Lead

- PgCert in Sustainability Business
 Management, University of Cambridge
- PhD in Renewable Energy, Monash University
- Registered Consultant, Climate Active

I help businesses **DESIGN** and **BUILT** with sustainability in mind and **SOLVE** the net zero challenges they have.

Contact: Dorota.Bacal@a2ktechnologies.com.au





The Net Zero Carbon Commitment

By 2030 reduce embodied carbon by 40% and operate at net zero (new builds)

By 2050 net zero embodied carbon and operate at net zero (new and existing)

Embodied Carbon greenhouse gas emissions associated with extraction, manufacturing, transportation of materials, construction activities, demolition of the building and disposal of waste.

Operational Carbon greenhouse gas emissions generated by the day-to-day operations and activities of a building throughout its operational life.



Asset Lifecycle

Design Stage

Digital Twin starts here

Construction Stage

Digital Twin updated to "As Built"

A1-A3 Product Stage Procurement





A1 – Raw material supply

A2 – Transport

A3 - Manufacturing

A4-A5 Construction Stage Construction





A4 – Transport

A5 – Construction and installation

Operation Stage

Digital Twin drives efficiency
Digital Twin maintained and updated

Demolition Stage

Digital Twin becomes manual for deconstruction and material recovery

B1-B7 Building Use Stage Operation





- **B1** Use
- **B2** Maintenance
- **B3** Repair
- **B4** Replacement
- **B5** Refurbishment
- **B6** Operational energy use
- **B7** Operational water use

C1-C4 End of Life Stage Demolition





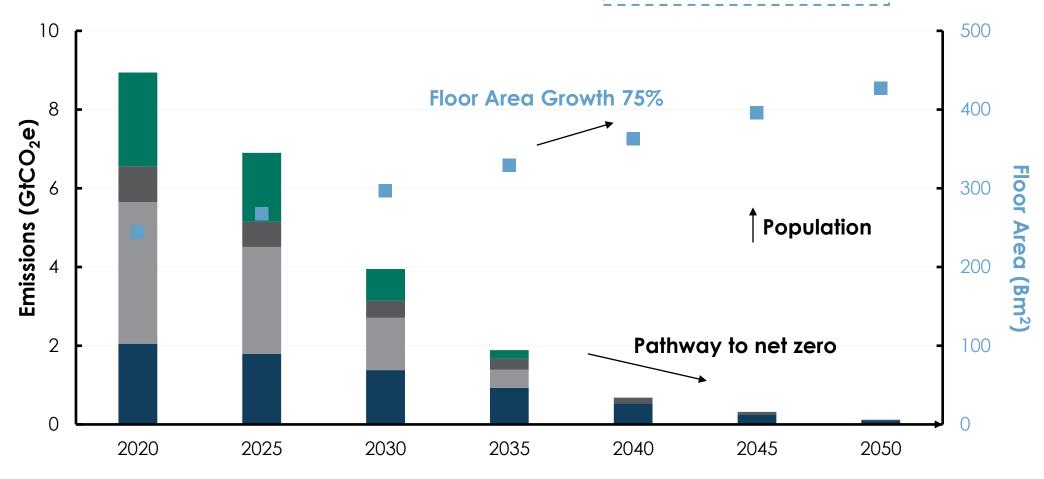


- C1 Deconstruction
- C2 Transport
- C3 Waste processing
- C4 Disposal



Prepare for Carbon Budgets

180 billion square meters of new floor area by 2050



Residential: Scope 1, Scope 2

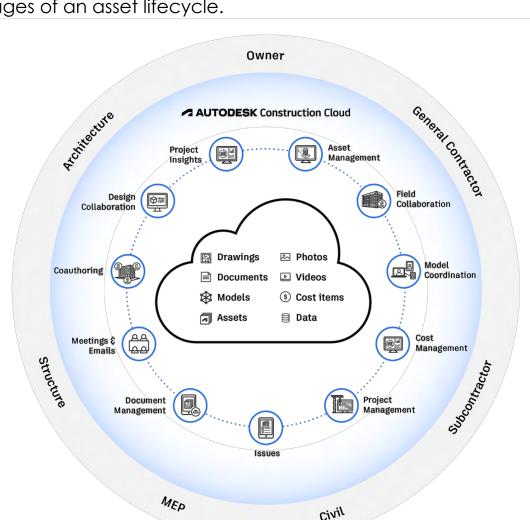
Non-Residential: Scope 1, Scope 2

Floor Area



Autodesk Construction Cloud

A fully integrated platform that seamlessly spans from the design phase to pre-construction, construction, and the operation and maintenance stages of an asset lifecycle.



✓ AUTODESKConstruction Cloud















Why Care?

- Centralized source of truth ensuring access to the most upto-date data (with various access levels assigned by the administrator).
- Live collaboration across your teams and subcontractors throughout the entire lifecycle of the asset.
- Asset and project performance monitoring and reporting: assess project progress and intervene when needed.
- Data security: no more sensitive information sent via email or SMS or stored on various cloud sharing platforms.
- BIM-connected: grow information attached to your model (future or existing digital twin).

