

Building Smarter Cities, Faster

The Problem

- Urban populations are expected to grow 50% by 2050.
- DPA's manual, architect-dependent process limited their efforts to optimise real estate for liveable, high-value spaces.

The AI trailblazer solution

A custom AI model: Made to speed up and scale architectural design—made possible by:

- Gemini LLM and expert support from Google Cloud
- Rapid prototyping without the need for internal infrastructure
- Hands-on collaboration to upskill internal teams quickly



The Results

10x

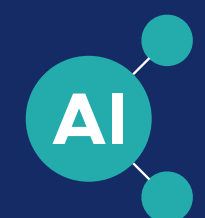
more design iterations generated in the same amount of time

50%

Productivity improved by over 50%



Automated technical drawings & streamlined design reviews



AI model now powers multiple internal applications

The Future

The team seeks to build on their experience by:

- Incorporating AI technologies across internal design tools
- Exploring AI use across diverse projects
- Strengthening internal AI capabilities for long-term innovation