

ATAL Engineering Limited



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安樂工程有限公司

INTRODUCTION OF ORGANISATION

ATAL Engineering Limited (ATAL), a subsidiary of ATAL Engineering Group is a leading electrical and mechanical (E&M) engineering service provider in Hong Kong.

Always on the leading edge of research and development and technology applications, ATAL has been working with customers to adopt technologies and innovative solutions on our projects. We strongly encourage our business units to innovate and provide financial support to commercialise new ideas, bolstering the innovative development of the company and the industry at large.

THREE WINNING FACTS

ATAL's digitalisation solutions are tailored to the E&M industry, with full coverage from new E&M products to construction methods, as well as application in construction process and maintenance. The applications help address the current challenges faced by the industry such as shortage of labour and increment in cost.

We are committed to driving innovation and make a culture that permeates the entire company so that everyone becomes part of our smart community.

Internally, an Innovation Fund is set up to support research and development, and development of products and solutions that have market potential. We have a dedicated Innovation Committee to help formulate and implement innovation strategies including digitalisation transformation.

We have launched different initiatives to encourage prototype development and implementation of innovative ideas.

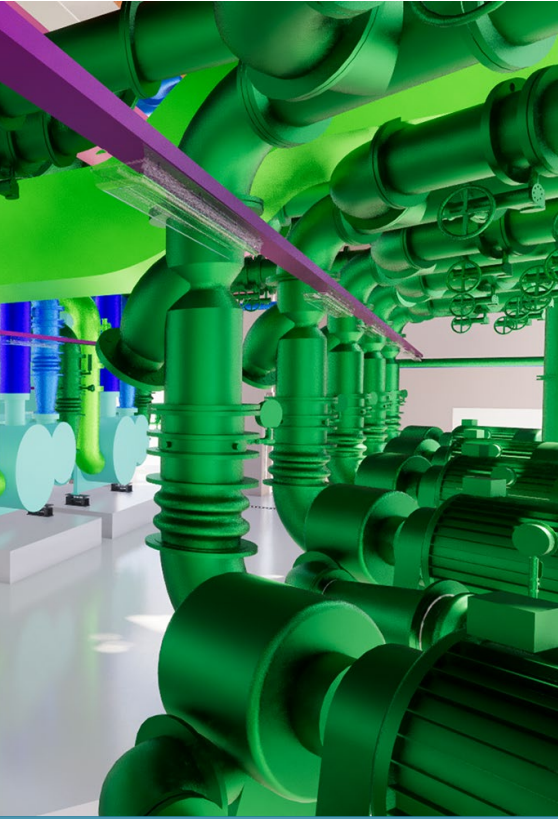
With customers and partners, we introduce

digitalisation solutions for enhanced productivity, cost effectiveness and quality excellence. We also arrange training workshops, speak at public conferences to share experience, encouraging industry players to apply digitalisation in projects.

Our digitalisation projects are well recognised by the industry and achieved outstanding results.

Our in-house developed Cloud-based Chiller Plant Energy Management Platform won the Silver Award for Smart Business (Big Data and Open Data Applications) in Hong Kong ICT Awards 2019. Our application of smart energy optimisation platform in a Grade A commercial building has reduced chiller plant energy consumption by about 12%. This energy management project also won ASHRAE Hong Kong Chapter Technology Award 2020.

We have enhanced project efficiency, productivity, worksite safety through application of MiMEP (Modular integrated MEP) approach, which has been shared in CIC HKFEMC DfMA MiMEP Tradeshow 2021.



As a pioneer in Building Information Modelling, ATAL widely adopts such technology in our projects



iBs
**CLOUD-BASED CHILLER PLANT
ENERGY MANAGEMENT PLATFORM**

PHYSICS-GUIDED MACHINE LEARNING



Cloud-based Chiller Plant Energy Management Platform is an award-winning solution for achieving building energy efficiency and sustainable development



Unmanned Aerial BIM Converter (UABC) generates BIM models based on a drone and indoor 3D laser scanning