

"I develop new methods and apply them to FFT's products which results in new prototypes. If a prototype is particularly successful, it is integrated into the current system."

Emely Pierau  
OPTIMA PhD Student

"I found the optimisation based strategies significantly outperformed the existing rule-based and conventional strategies".

Yi Zhen  
OPTIMA PhD Student

## RETURN ON YOUR INVESTMENT

- A solution to your optimisation challenge
- Access to over 100 experts in the centre
- PhD student undertaking placement in industry
- New IP for industry partners to commercialise
- Optimisation training for industry partner employees
- Optimisation toolkit developed for industry needs.

## CONTACT US



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# OPTiMA



ARC Training Centre in  
Optimisation Technologies,  
Integrated Methodologies,  
and Applications

[optima.org.au](https://optima.org.au)

OPTIMA is an ARC Industrial Transformation Training Centre with 18 Chief Investigators and over 100 researchers across Monash University and the University of Melbourne.

OPTIMA connects industry partners with world-leading interdisciplinary researchers and students to solve complex industry challenges.

With expertise in mathematics, statistics, computer science, engineering, and economics, our researchers will advance an industry-ready optimisation toolkit while providing training to industry practitioners and young researchers, producing a highly skilled workforce in industrial transformation.



Australian Government  
Australian Research Council



MONASH  
University



C4NET  
Centre for New  
Energy Technologies



AiLECSlab  
Ai for law enforcement  
and community safety



South East  
Water



Lancaster  
University

probeX  
NEXT GENERATION DRIVEN

MECCA  
BRANDS



ENGIE

UNIMORE  
UNIVERSITÀ DEGLI STUDI DI  
MODENA E REGGIO EMILIA

Melbourne  
Water

WARWICK  
THE UNIVERSITY OF WARWICK

## OPTIMA PARTNERS

## OUR PARTNERS CHALLENGES INCLUDE

AGL - Configuring wind farm turbines to gain green energy production, reduced maintenance costs and increased revenue.

Melbourne Water - Developing an efficient rainwater system to meet customer demand whilst improving platypus river habitats and reducing flooding.

Boeing - Determining the minimum number of experimental flight tests for an aircraft resulting in reduced costs and time to market.

MECCA - Streamlining the incorporation of new products, planning for promotions, and recognising emerging trends to obtain sufficient stock on time.

ENGIE - Design and implement interoperable AI-based human-in-the-loop algorithms that can be incorporated in different digital platforms.

SE Water - Large scale optimisation of the numbers and locations of meters and monitoring devices.