dr Tong Wang

Delft University of Technology

Dr. Tong Wang is a researcher in the Management in the Built Environment Department, Architecture and Built Environment Faculty, Delft University of Technology, focused on the sustainable and resilient transition of the built environment. Dr Wang serves as the AI lab director for building lasting environments with and for multiple stakeholders.

Projects:

- Enhancing reverse logistic collaboration for circular transition
- Circular supply chain in Dutch social housing renovation
- Digital Twin for infrastructure projects: a use perspective
- A digital defabrication design framework for the next use of building components
- Circular transition strategy design with AI, platforms, and ontologies
- Energy transition with AI – an interface designing approach
- Deliberation AI for energy transition with Design Patterns and Value Hierarchy
- Reinforcement learning for human-AI interaction to support behavioral transitions
- Digital technology facilitating inclusive consensus-building in heritage management
- RVO (2021) Feasibility Study for façade industry circular business model process modeling (Perpetual)
- National Growth Fund (Groeifonds NL) (2023) circular built environment transition with information infrastructure for business transitions
- Sustainable Industrial Site Redevelopment Planning Support System
- Business Model Transition Program for Heavy Industrial Assets