



# EFFICIENT FINANCING FOR INTELLIGENT INFRASTRUCTURE

## THE CENTER FOR SMART INFRASTRUCTURE FINANCE

The **Center for Smart Infrastructure Finance (CSIF)** at the University of Michigan (U-M) integrates smart infrastructure with data science, finance, and policy to solve financing problems for critical societal infrastructure services such as energy, water, transportation and housing, along with digital infrastructures such as networks and communications services.

CSIF specifically focuses on integrating Internet of Things (IoT) enabled data-streams from water, transportation, housing, energy and waste systems with financial models. This is done in order to overcome investment barriers, along with breaking down legal or policy innovation constraints.

## OUR MISSION

To bridge the public infrastructure finance gap, and democratize access to quality of life services through digital innovations in data-driven business models and systems design.

## CONTACT

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## EDUCATION

- Master of Engineering in Smart Infrastructure Finance open to students from different academic backgrounds
- Professional Certificate (2021)
- Internships with industry partners

## RESEARCH

- Integrating IoT, sustainability and financial metrics for social services
- Informing 'design for investability' using machine learning and artificial intelligence tools
- Blockchain financing and tokenization of intelligent systems

## CORPORATE ENGAGEMENT

- Empirical research and pilot-testing of business use cases
- Conceiving financial models for data-driven infrastructures

## PARTNERSHIPS

- Financial services, fintech, information + communications technology and consulting industries
- Training, testing, and benchmarking for non-profits and government agencies

