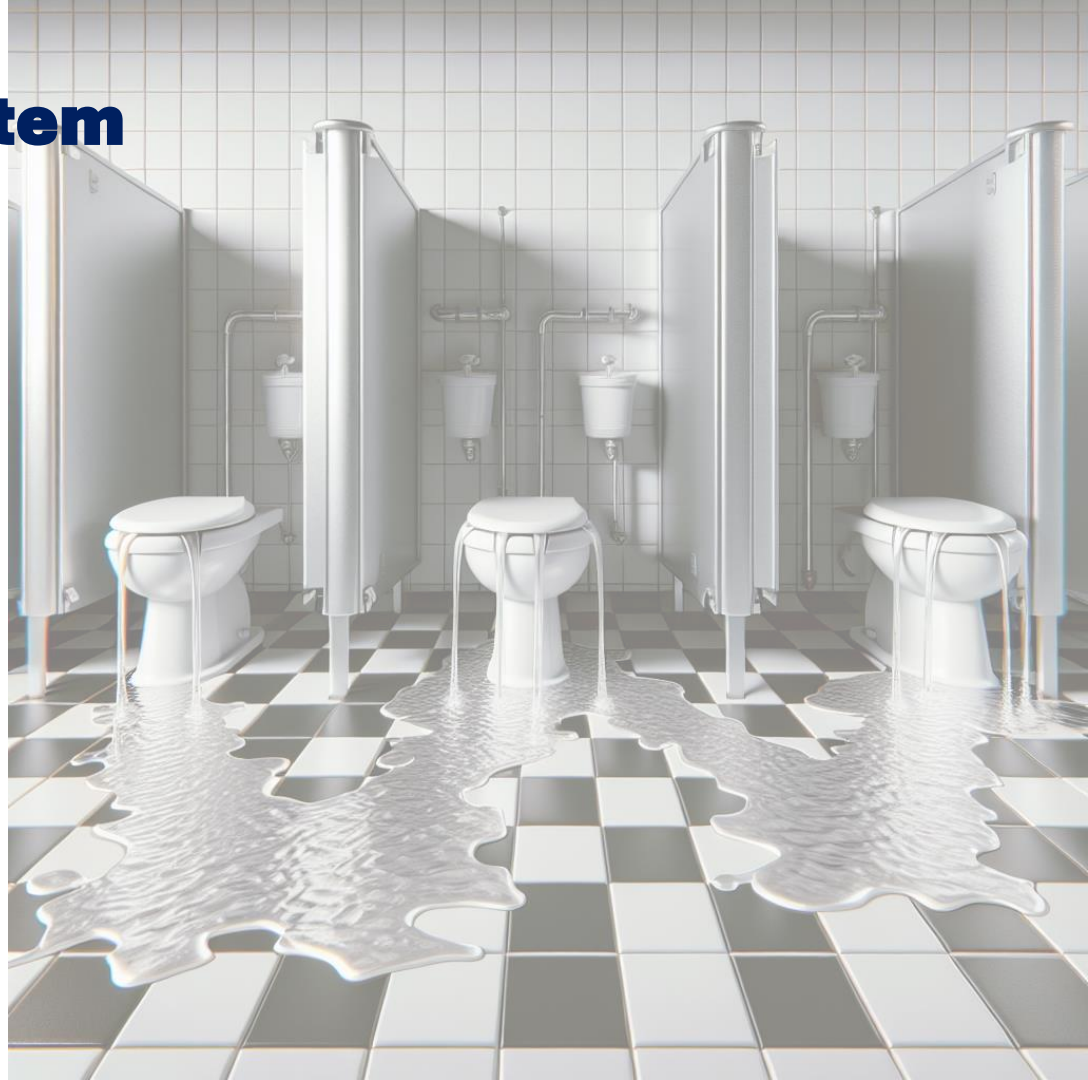
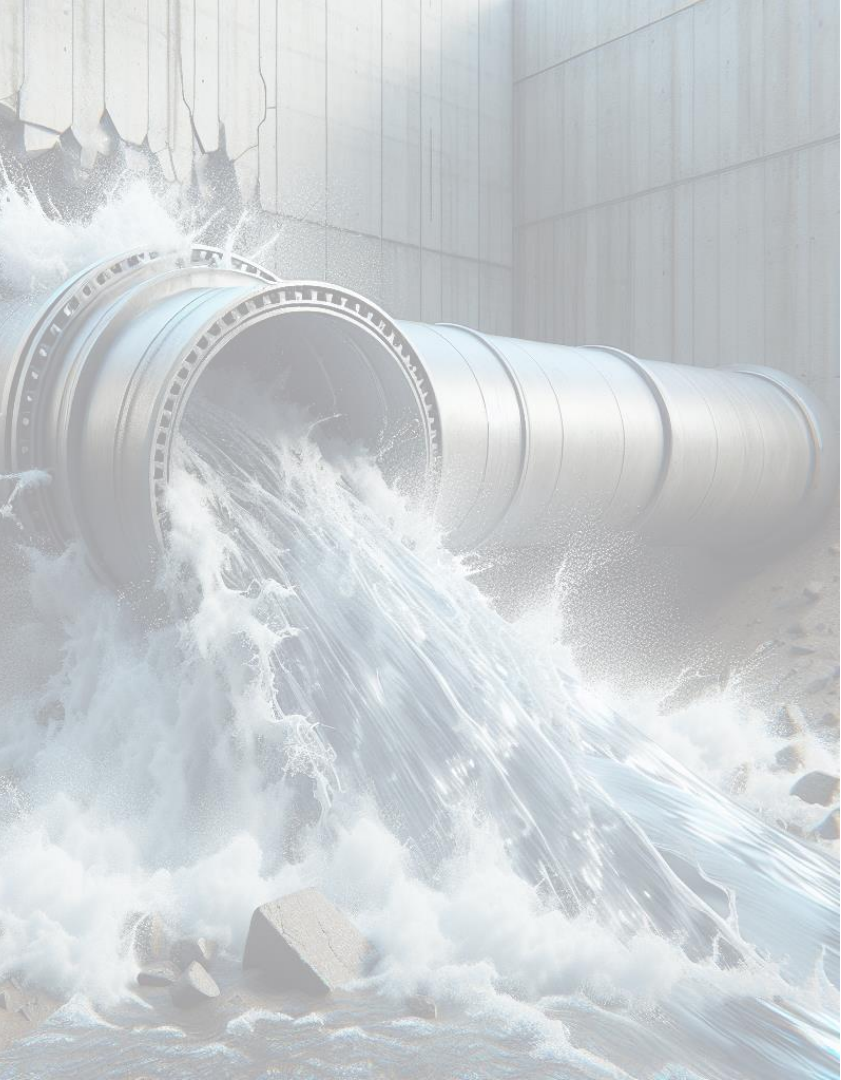


# AI Flushing Water System

AI-Powered Flushing  
Water Leakage Prevention  
and Control System

Power by: **Petit.iot**





**To implement an AI-powered system that monitors and controls the flushing mechanism in toilets to prevent water leakage, ensuring efficient water usage and reducing unnecessary wastage**

**Benefits:**

- **Detection and Prevention of Wastage:** Early detection of flashing water leakage can prevent excessive water and electrical wastage on time.
- **Cost Savings:** By reducing water wastage, the system can contribute to significant cost savings in utility bills over time.
- **Sustainability of water aligns with global sustainability goals, making the system an eco-friendly solution.**
- **Automation:** The AI system can operate 24/7, ensuring constant monitoring and immediate response to any leakage incidents.

## Case Study



### Before installation

The commercial building in question is a 28-story high-rise structure that houses multiple offices and facilities. The toilets within the building were designed with a flushing system that lacks any automated controls.



### After installation

With the adoption of IoT control, a control valve, and AI Monitoring, the system now boasts a sophisticated mechanism capable of identifying potential leaks in the toilets' flushing mechanism with unwavering confidence and accuracy.

# Schematics

