



# Water Management at the W Residences, Dubai



## Scope

- High-end residence on Dubai's Palm Island
- Total of 104 apartments
- WINT deployment completed on March 10<sup>th</sup>, 2023.

## Challenges

- Located in the water scarce gulf coast – water sustainability is high priority
- Water damage prevention required by corporate headquarters

## WINT's Solution

- WINT deployed per apartment:
  - 104 apts, each with dedicated valve + meter
- 34 systems in common areas:
  - Main kitchen, Spa, Swimming pools, ...
- Systems set for auto-detection with human-controlled shutoff

## Results

- Detected 3 ongoing leaks within initial two months of deployment
  - Leak sources: leaky toilets & showers
  - Detected within minutes from start of leak
- Leaks would have likely continued for many weeks with potential for overflow

## Success Metrics

- **Water savings of leaks at a total rate of >1000L/h, equivalent to:**
  - 9,000,000 L/year
  - 130 tons of carbon emissions per year
  - \$25,000 per year
- **Time to detect**
  - Leaks detected within minutes
- Significant damage prevented to high-end residence

