

Water Management Division

Water Network Efficiency for the city of Casablanca, Morocco

Innovative solutions for water
and energy efficiency



Customer: LYDEC (SUEZ Group) PM GWS

Project Name: Ville de Casablanca – Improve water network management districts: Etage 96, 85 Modulé, Etage 85 non Modulé, 140 Est & Ouest Modulés, Etage 55, 60 & 85 Industriel, Etage 140 non Modulé & 58

Location: Casablanca (Morocco)

Business role: partner of PM GWS

Year: 2011



PROJECT TASKS

- Data acquisition: cartography, hydraulic and socio-economic parameters
- Measurement of pressure and flow
- Data processing: identify priority areas
- Measurement of leakage level using Minimum Night Flow Analysis
- DMA design and implementation
- Step test analysis
- Leaks detection and pinpointing
- Measurement of water recovered
- Training of local staff



RESULTS

- Water Network Analyzed: **1.000 Km**
- **N. 1.354** leaks pinpointed and repaired
- Leakage Reduction: **210 l/s**
- Water saved: **5.700.000 m³/year**

Equivalent to the water consumption of **100.000 people**

