





SWAN pilots and network renovation in Khan Younis

Pre-war status and current emergency situation

Gaza H2.0: Innovation and water efficiency EuropeAid/163941/DH/ACT/Multi

01 Feb 2024

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Brief Introduction to Gaza H2.0 Water situation in Khan Younis – the starting point

According to the data collected in 2022 by Gaza H2.0



10,147,078 m³ of water supplied by Khan Younis Municipality



6,730,194 m³ of water invoiced for the subscribers

36% NRW

3,416,884 m³ or 6,833,768 NIS of non-revenue water (NRW) = supplied water, but not paid and lost in the system



Gaza H2.O: Innovation and water efficiency An integrated approach to NRW management

DMA
District
Metered
Approach

Capacity building of water managers

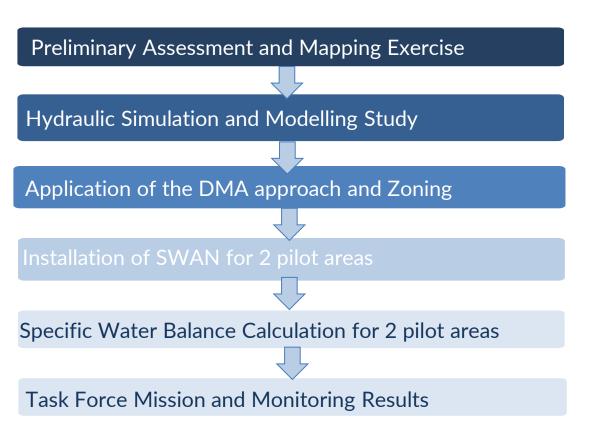
SWAN

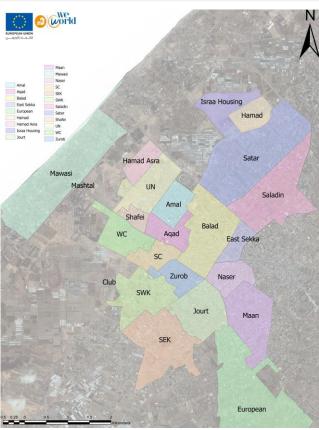
Smart water network monitoring

Improved NRW water management

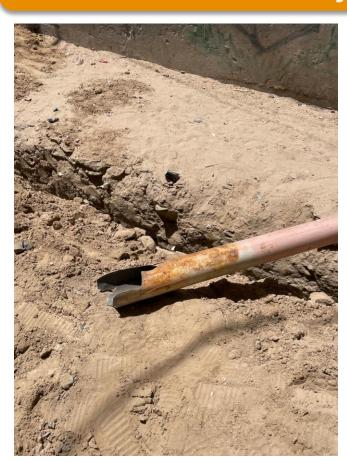
Community awarness raising

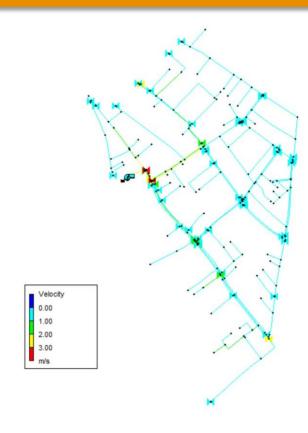
Gaza H2.O: Innovation and water efficiency Master Study and Plan





Gaza H2.O: Innovation and water efficiency Not only digital: pipe replacement





Picture: Giovanni Pedron (WeWorld), August 2023

- Replacement of Steel pipes with PVC pipes started on 5th May, 2023.
- Total available pipe length for replacement: 2800m of 4" pipes, 400m of 6" pipes and 700m of 8" pipes
- The replacements had been achieved:
 1525m of 4" pipes,
 16m of 6" pipes and
 675m of 8" pipes

Gaza H2.O: Innovation and water efficiency Not only digital: pipe replacement







Pictures: Giovanni Pedron (WeWorld), August 2023

Gaza H2.O: Innovation and water efficiency The situation after October 2023

- Similarly to other areas of the Gaza Strip, the two project's pilot areas of Maan and UNRWA housing in Khan Younis Governorate have been severely under attacks since October 7th. Heavy bombardment and ground invasion caused inestimable damages to the water infrastructure enhanced by the project.
- Gaza H2.0 project and all its related activities have been inevitably suspended for security reasons.
- WeWorld and the Project Partners commit to re-assess the technical situation and damages once the security conditions will allow it.







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Thank you