FLOWLESS

connecting water to the Internet of Things

by AQUA-RIMAT

Cooling tower case study

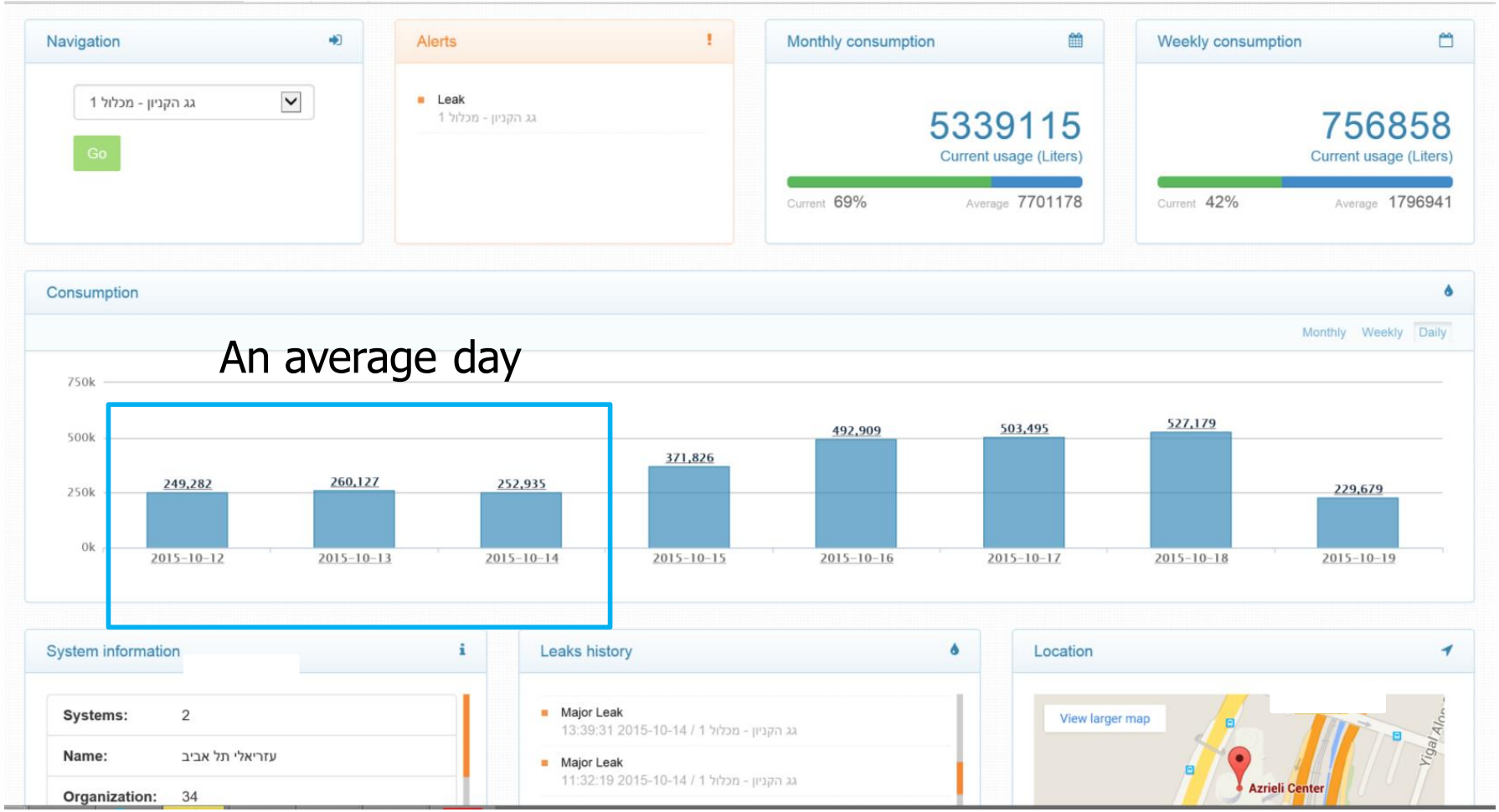
background

1. Two Flowless systems are installed on cooling towers pipes in one of the biggest malls in Israel.
2. The systems have monitored the cooling tower pipes for more than a year.
3. Since then, 3 abnormal events (leakages) were identified, saving tens of thousands of NIS (and dollars).
4. The following slides present one of these incidence.

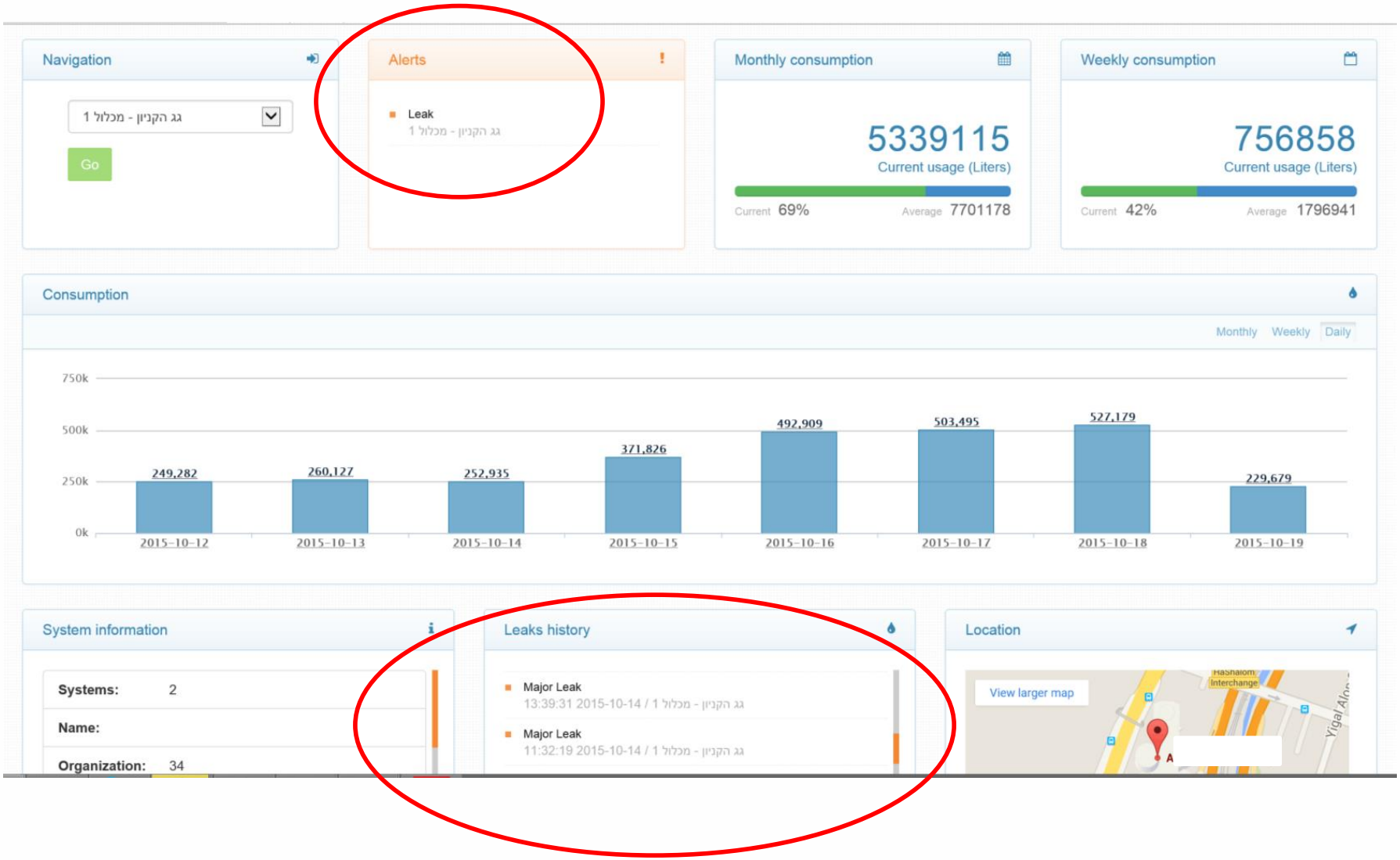
Detection of abnormality water event in a cooling tower.

A huge saving in water bill.

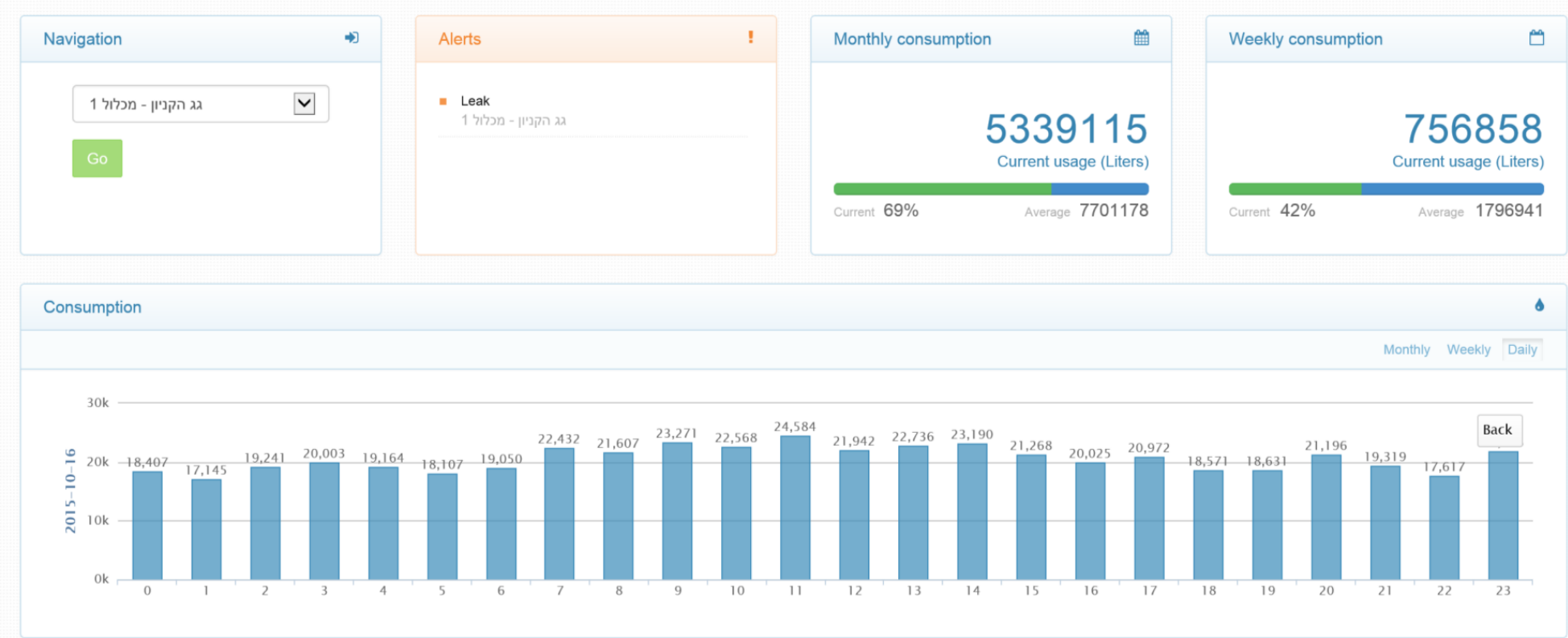
Both cooling towers consume 250 cubic meters on an average day (66,403 gallons)



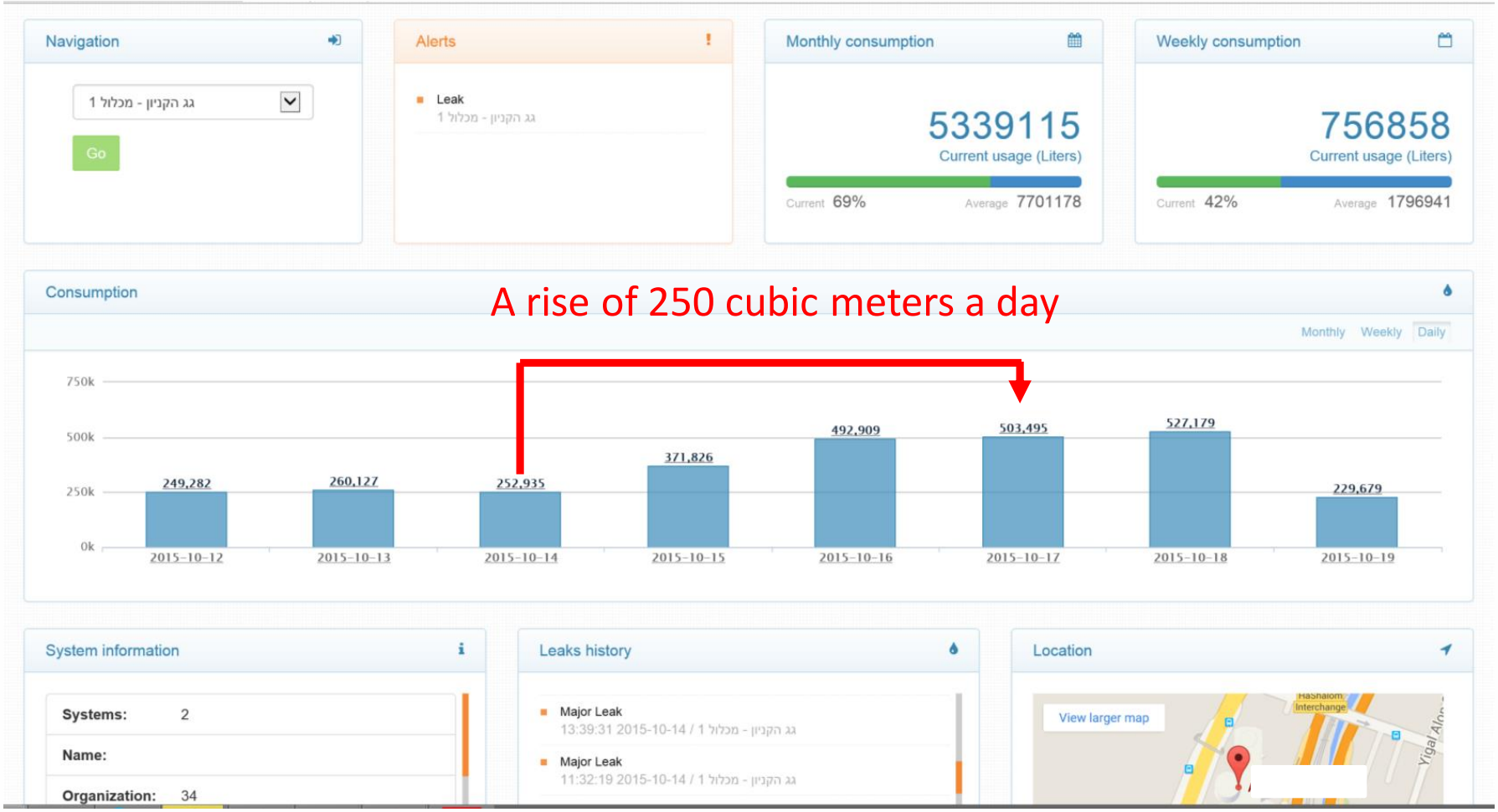
First alert was sent on the 14th, 11:32 am



The incident caused a continuous flow of 17 cubic meters per hour (4490 gallons per hour)



And a significant rise of 250 cubic meters a day, which costs thousands (rise of 66,403 gallons a day)



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Fault detection, fixing, and back to normal