

Claims

1. A method, implemented by computer, for managing a water and/or energy resource, the method comprising steps of:
 - 5 - receiving initial data on the water and/or energy resource consumption of at least one user, said consumption data being read remotely from a plurality of smart meters;
 - determining a user profile;
 - determining a so-called reference consumption model that is associated
10 with said user profile;
 - comparing the water and/or energy resource consumption of the user with said reference consumption model;
 - notifying the user in case of a difference with respect to a predefined threshold; and
 - 15 - automatically modifying the supply of water and/or energy depending on the difference with the predefined threshold.
2. The method as claimed in claim 1, wherein the step of determining a user profile comprises:
 - 20 - a step of determining resource consumption strata, each consumption stratum being associated with a resource consumption value in a first time interval;
 - a step of determining user groups, each user group being associated with a rate of variation in the consumption value in a second time interval; and
 - 25 - a step of determining at least one user profile depending on the determined user groups and the determined consumption strata.
3. The method as claimed in claim 2, further comprising a step of receiving additional data that may be correlated with the determined user profile and a
30 step of determining a consumption trend on the basis of the determined user profile and said received additional data.

4. The method as claimed in claim 2, wherein the step of determining consumption strata is carried out so as to minimize intra-stratum variance.
5. The method as claimed in claim 2, wherein the step of determining user profiles comprises a step of determining user profiles, each user profile being associated with one stratum and one consumption variation group.
6. The method as claimed in any one of the preceding claims, further comprising a step of aggregating a plurality of user profiles.
7. The method as claimed in any one of the preceding claims, further comprising a step of providing remote access to information relating to consumption data, to user groups, to user profiles, to consumption trends or to reference consumption models.
8. The method as claimed in claim 1, the modification of the water and/or energy supply depending on criticality levels associated with the smart meters.
9. The method as claimed in claim 8, a criticality level associated with a smart meter being configurable by the user.
10. The method as claimed in claim 1, the modification of the water and/or energy supply being gradual and/or selective.
11. A computer program, said computer program comprising code instructions allowing the steps of the method as claimed in any one of claims 1 to 10 to be carried out when said program is executed by a computer.
12. A system comprising a plurality of smart meters for implementing the steps of the method as claimed in any one of claims 1 to 10.
13. A system for managing a water and/or energy resource, comprising:

- a plurality of smart meters that are configured to measure and to communicate to a remote reader initial data on water and/or energy resource consumption;

- one or more processors that are configured to

5 - determine a user profile;

- to determine a so-called reference consumption model that is associated with the user profile; and

- to compare the water and/or energy resource consumption of the user with said reference consumption model; and

10 - a plurality of user interfaces that are configured to notify the user in case of an unfavorable or favorable difference with respect to a predefined threshold,

 wherein said one or more processors are further configured to automatically modify the supply of water and/or energy depending on the
15 difference with the predefined threshold.

14. The system as claimed in claim 13, a smart meter comprising measuring means and/or communicating means and/or physically actuating means.

20 15. The system as claimed in claim 13 or 14, a user interface being accessible from a customer terminal that has access to a data server via at least one communication network and/or being accessible from at least one smart meter.