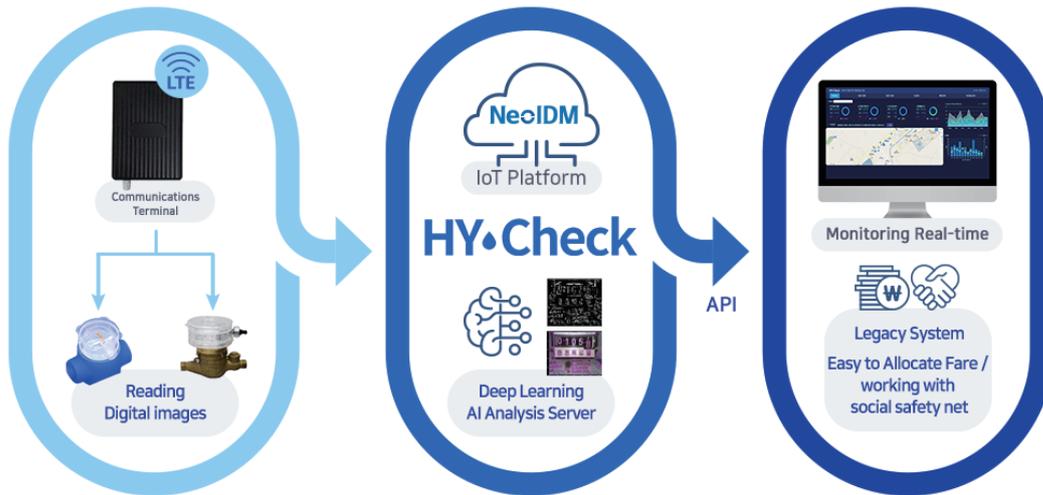


# IoT-based Remote Water Meter Reading System

## HY·Check

HY·CHECK takes a photo of the guide of water meter and analyzes meter data through AI deep learning technology applied to image data. It enables charging the appropriate water meter costs and addressing civil complaints by using actual images and covers all regions with the communication terminal by using the broadband network. It also provides data based on the amount of water used, which is helpful in taking care of the elderly living alone and the vulnerable and forging stronger social safety net in linkage with expanding public health services.

### Product Configuration



#### 01 NeoIDM, an IoT platform based global-standard LwM2M

Build a sophisticated Remote Water Meters (HY·CHECK) with high scalability and heterogeneous link based on NeoIDM with a global-standard LwM2M.

#### 02 All meter data images are AI-analyzed and history management converted into database

Use all actual meter images as evidence of water costs through history management  
Include the actual meter image in the water bill to resolve cost-related affairs (optional)

#### 03 Installed without having to replace the existing analogue measuring instrument

No halt of water supply when installing and replacing the meter reader, and management is also easy  
Regardless of diameter, all sizes can be applied to the same model without cost increase

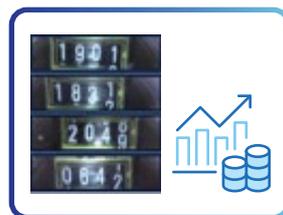
#### 04 Excellent durability

The highly durable reader consisting of two layers has acquired an NEP certificate on waterproofness, moisture resistance, and durability \*NEP (New Excellent Product) certified by the Korean Agency for Technology and Standards

### Effects



Remote management of meter reader and monitoring of all meter statuses



Check meter data by image for each consumer and link the data to water cost



Check the amount of water used will link to social safety net

