

A nighttime cityscape featuring a multi-level highway interchange. The sky is dark with stars, and the city lights create a vibrant, colorful atmosphere. A prominent feature is a large, red, 3D 'GiGA' sign mounted on a bridge structure. Light trails from vehicles are visible on the roads, and several skyscrapers are illuminated in the background.

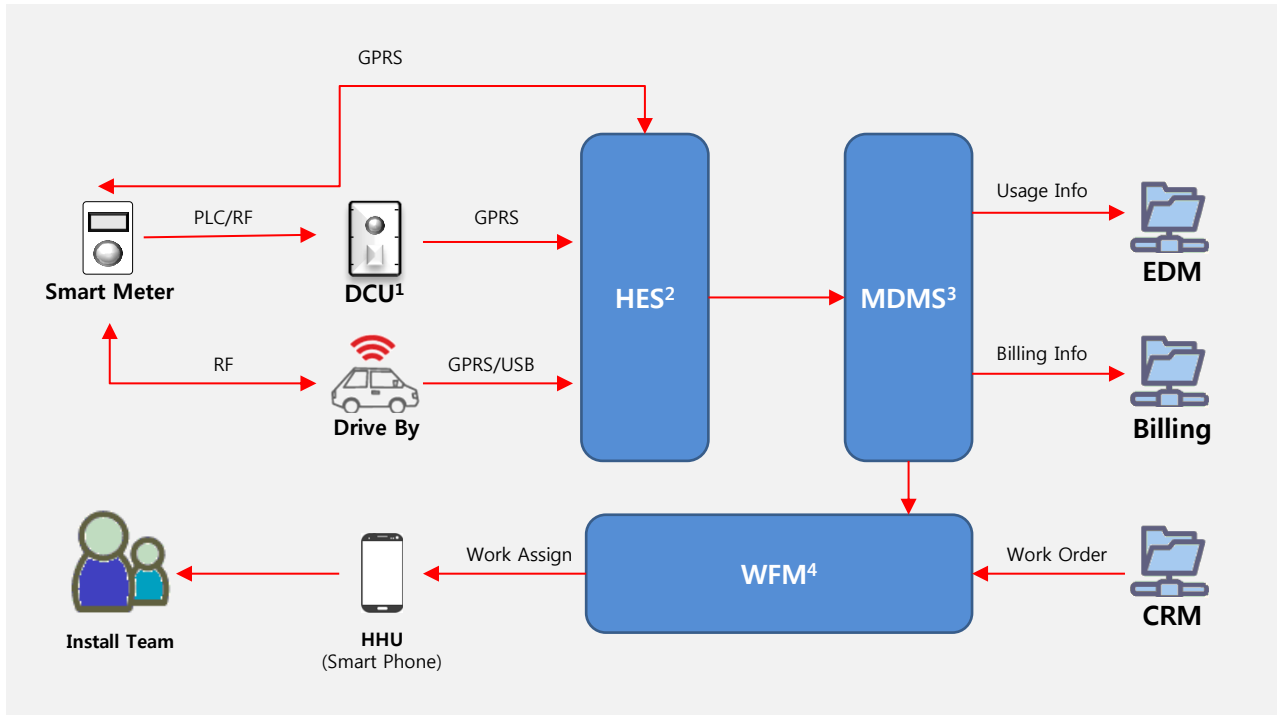
# AMI

Advanced Metering Infrastructure

# What is AMI

AMI is an advanced metering infrastructure that enables two-way communications between end-users and the meters

## AMI architecture



1) DCU : Data Concentrator Unit

2) HES : Head-End System

3) MDMS : Meter Data Management System

4) WFM : Work Force Management

## Main features

<b>Fare</b>	<ul style="list-style-type: none"> <li>Total Energy Consumption</li> <li>Various plans by time of use, season,, etc.</li> <li>Real-time monitoring of current use and fare</li> </ul>
<b>Fare Saving</b>	<ul style="list-style-type: none"> <li>Peak-Shifting</li> <li>Remote ON/OFF for Home Appliance</li> </ul>
<b>Customer Feedback</b>	<ul style="list-style-type: none"> <li>Monthly Fare</li> <li>Monthly Details of Usage</li> <li>In-Home or Smart Device Display</li> </ul>
<b>Distribution Management</b>	<ul style="list-style-type: none"> <li>Load Control</li> <li>Demanding Forecast</li> </ul>
<b>Maintenance</b>	<ul style="list-style-type: none"> <li>Outage Detection</li> <li>Electricity Theft Detection</li> <li>Trouble Detection</li> </ul>

## Why KT

As No.1 telecommunication company in Republic of Korea, KT owns competitive communication network technology, including unique solutions and specialized human resources. Based on such competitiveness, KT, furthermore, has been obtaining experiences by establishing business opportunities in Uzbekistan; KT is currently on the implementation for one of those opportunities. To step forward further, KT continuously seeks for worldwide AMI business area

### Competitiveness



**Communication  
Network Technology**



**Network Solution  
& IT Platform**



**Specialized  
Partners & Experts**

### Based on knowledge through experiences, KT:

- Enables stable 2-way communication
- Provides experts with strong career
- Suggest overall system components

### Uzbekistan AMI Project

**1<sup>st</sup> AMI  
Deployment**  
(Uzbekistan)

Financed by  
Asian Development Bank

Contract Completed and  
under Implementation

**2<sup>nd</sup> AMI  
Deployment**  
(Uzbekistan)

Financed by World Bank

Proposal under Evaluation

**3<sup>rd</sup> AMI  
Deployment**  
(Uzbekistan)

Financed by  
Islamic Development Bank

Prequalification under  
Evaluation

### Experience

## What We Offer

KT, as one of leading companies of AMI, may provide consulting on overall system architecture based on actual experience of implementing the total system. Also, as a telecommunication/broadband company, KT has strong experience and technology on communication network, which is one of the most important factors in AMI.



Thank you



[global.biz5@kt.com](mailto:global.biz5@kt.com)

[www.kt.com/global](http://www.kt.com/global)