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| BRR | February 10  2016 | |
| Integrate new technologies and allow the development of new services to optimize the facility management. | | Business requirements review |

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| 1.0.0 | 10.02.16 | Arshad Shakil,  Badis Madani,  [Håkon Hedlund](https://www.facebook.com/hakon.hedlund)**,**  Zhili Shao |  |

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# Identification

Our group had the opportunity to work on a highly innovative domain which is proposed by a company that has a goal of smoothly integrate new technologies and allow the development of new services, optimize the resources (especially energy) for the facilities that we are investigating schools, hotels, factories, office buildings, hospitals, airports, apartment complex, shopping centers, restaurants, parking lot, bus station and train station. To make it smart, the facility should communicate by means of sensors and actuators in each relevant corner.

# Problem formulation

One of the problems with the current practices in the various domains of facility management is that each facility is managed by its stakeholder in isolation from the management of other similar facilities. However, with the advent of new technologies such as cloud computing and IoT, we have an opportunity to unify the management of multiple geographically dispersed facilities.