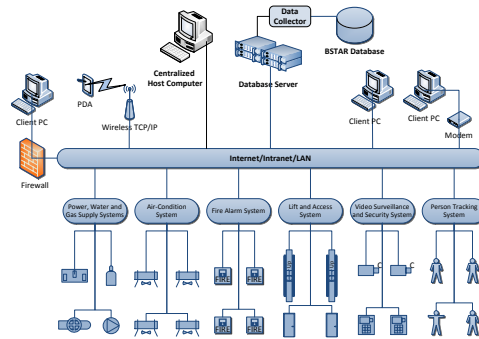
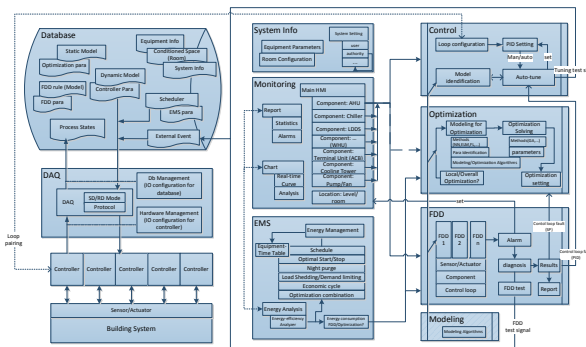


## Integrated & Intelligent Building Management System

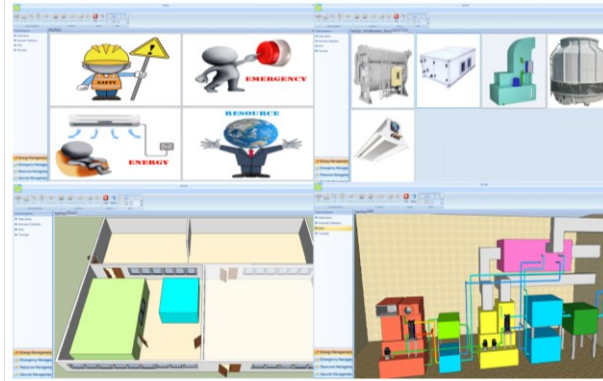
In this project, BSTAR which is an Integrated Intelligent Building Management System (I<sup>2</sup>BMS) will be developed. BSTAR is a unique project development platform and management system for building and facility management, which integrate the function modules of monitoring, control, optimization, sensor automatic calibration, and fault detection and diagnosis (FDD). The platform retrieves from our inter-related projects and their inter-connections, embedding our breakthrough technologies such as cooling by low grade heat sources, Active Air Terminals (AAT), renewable energy based desiccant dehumidification, sensor network, Indoor Environmental Quality (IEQ) monitoring and control, visual analytics, and advanced cooperative control and optimization for building ACMV applications. These techniques will make the buildings more cost-effective, and will fill the gap between industry and academy for ACCM applications.



BSTAR Network Architecture



BSTAR Software Framework



BSTAR Software Snapshot



U13 (Universal controller)



L13A (Terminal controller)



L13S (ACB system)



L13S (LDDS system)

BSTAR Dedicated Controllers