Case Study: Building Automation
Building Energy Management

About the client

HQ: US

Primary Focus: A Fortune 100 company working on generating clean, healthy energy and using it more efficiently. Increasing safety and security. They work in Aerospace, Control Solutions, Performance Materials and Transportation Systems

About the Solution:
Create a data model / schema for visualization from raw data in MYSQL. The solution displays energy consumption trends with daily/weekly/monthly comparison charts. The solution will enable customer to reduce energy consumption and track the same with comparative depiction. The depiction allows the customer to study occupancy level inside Rooms/Unit/ Zone/Floor/Tower of buildings.

Happiest Minds Scope

- Create a data model / schema for visualization from raw data in MYSQL
- Create Java APIs which the front end can call for visualization.
- Create customized visualization for depiction of energy consumption.

Business Impact

The following were the business impact derived from implementation:

- Reduction in energy consumption, resulting in revenue savings
- Comparative analysis between different towers/floors/zone/units to pin point encouragement of lagging units for every conservation
- Achieve lower carbon footprint and achieve green buildings