

## First time use of mobile app to access relevant energy data

Developing a one-stop power system information dashboard and mobility solution

### About the client and its needs

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The client is a nodal body that manages electrical power demand and supply in the eastern region.

#### The challenges

The client was dependent on individual systems for power exchange, open access, energy scheduling, SCADA, meter data management and other systems. It had to consolidate data from these systems manually for everyday reporting and decision making activities. With the increase in power demand and supply capacity, the client felt an increasing need for consolidated data. Moreover, executives within the client's organisation needed data as per their job function and decision making roles. The concept of EastGrid system was developed to address these needs.



#### PwC's approach

Following several discussions with the client, we analysed the problem statement and business processes. We helped the client to structure raw data and build a common storage point for all important data. Subsequently we developed a solution to consolidate all relevant data and display that in an interactive mobile app and MIS web portal.

This helped the client access real-time information on the grid operations and monitor the KPIs. We delivered an indicative snapshot of the different commercial accounts, latest shutdowns and other essential operational data for the client. All executives had relevant information at their fingertips and that enabled them to take informed decisions on the go.

#### Client benefits

- ✓ Single window power dashboard and energy analytics
- ✓ Interactive information repository on the go
- ✓ Regional grid performance at a glance through indicative dashboards
- ✓ Availability of information, off-line
- ✓ Visualisation of the power network using location identifier
- ✓ Discover elements in layers based on different components such as Station Type and Voltage Level
- ✓ Easily accessible station and line parameters
- ✓ Simple navigation to the station location

#### Contacts

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