**Renewable Energy Connect-GE Energy**

In this project we mainly use

* Hibernate
* Servlets
* Spring MVC
* JSF (Java Server Faces)-Front End

Our work is related to GE Turbines (Wind Mills) which is related to services, installations, shipping, purchasing, event handling etc.

**Site:** It is the place where turbines are installed.

We are having 9 portals, each functionality we have portal.

**MyDashBoard:** It is the single home page in which all the links are hosted and once we click on our respective link we will be redirected to our REConnect portal.

**REConnect:** It is the portal application to get information about turbines.

**Portal Application:** It is the single application in which we can embed other applications.

Advantages of Portal application:

* Security-It is particular to every user i.e. one cannot access other’s.
* Ease of access.

In our Home page we have

* Manage my fleet
* Reports & Trends
* Get Info
* New & Updates

**Manage My Fleet:**

* **REClaim:**  It is for claiming warranty to the parts of the turbines if there is any disfunctionality.
* **REView:** It helps us to view the turbines using Google Maps.
* **REStore:** It is the store for buying the parts of the turbines.

All these three are not under REConnect.

* **Monthly Availability Log:** It is used to generate monthly charts about any issues related to power, usage, every events like shutdown, repairs, natural calamities etc. Even if one turbine is not functioning it has to be logged in MAL. User can view site information with the access. He can access MAL events in the site & track the events. We can generate log once the event occurs or we can forecast the events.
* **Site Lead Portal**: This is the portal for the site lead whowill approve the events raised by the customers, he analyses it and send to the next person.
* **Customer Portal**: This portal is for customer who can log an event or he can analyze the event and after approving it is sent to Site Lead.
* **Monthly Score Card**: It is user to view all the events raised between a periods of months.
* **Event Report**: It is a form used to raise an event.
* **Event Status:** It is used to view the status of an event.
* **MAL Entry Form:** It is used to enter an event which is unexpected and forecast the events.
* **MAL Bulk Upload:** It is used to upload bulk events at once.

**Reports & Trends**

* **Fleet Reliability Solutions**
* It is used for hosting the links.
* It is used to give access
* To know what functionalities are available in TIL.
* Preferences.
* **Site Trends:** It generates overall report of the site, uses filter. We can upload any report of the site to which we are assigned.

**Get Info:** These portals are for information purpose.

* **WindOption/ASAP:** Analysis of the new site is carried out in this portal by using predefined functions.
* **Upgrades & Special Services:** It has the information about the upgrading from one version to other value added services.

This can be done in 3 categories by configuration, by component, by upgrade package.

* **Technical Docs:** All technical information about turbines using broachers. It is fully technical.
* **Informational Docs:** General information is presented in this docs which can be understood by anyone.
* **Part Identification:** This portal is used to know how the part can be installed and to know about the part using the configuration and raise request.
* **PIL:** Product Information Letters – It is used for advertising the product.