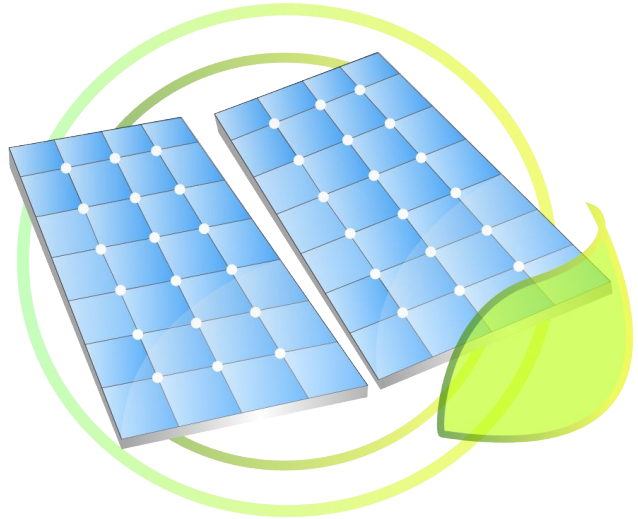
SYMB technologies

OAKRIDGE ADVANCED MONITORING SYSTEM WITH IOT

"CONVERGENCE OF BASIC SCIENCE, TOWARD THE WORLD'S SUSTAINABILITY CHALLENGES"

Oakridge Energy

BACKGROUND



Client: Oakridge Energy
Headquarter: India
Launched: 2012

Oakridge is North India's leading solar rooftop installer. They have brought over 100 man-years of experience in project design, implementation, and service. They have developed power projects across thermal, hydro and solar power.

Oakridge has an experienced team and over 150 successful implementations across North India. They are impaneled with the Ministry of New and Renewable Energy, Government of India, and count as their clients, various leading organizations such as L&T, RJ Corp, TDI group, Delhi Public school, Sanathana Dharma Institutions, etc.

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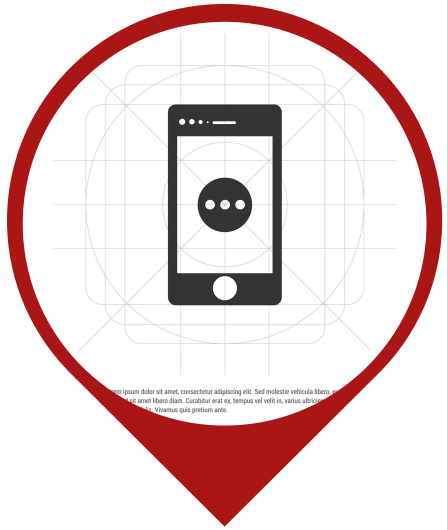
ABOUT THE PROJECT



Oakridge Advanced Monitoring System of Rooftop Solar Panel generates the Measurement Report with the help of IoT on Android Smartphone and helps in saving electrical power.

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CHALLENGES

01

REAL TIME TESTING

To collect the data about electricity generated in particular span of time

02

DATA VALIDATION AND CORRECTION

Validate and compare the data with that provided by the government

03

SETUP AND MONITORING OF DATA

Easy access and monitoring of the data by the user as well as the supplier

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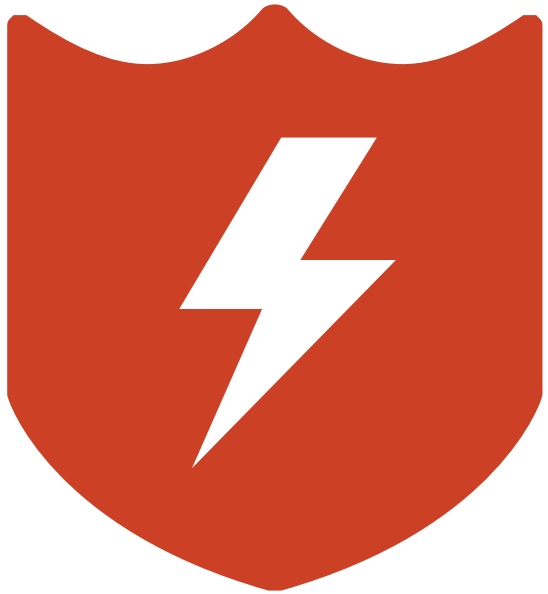
SOLUTION



SYMB Technologies was approached for the end to end development of the mobile app.

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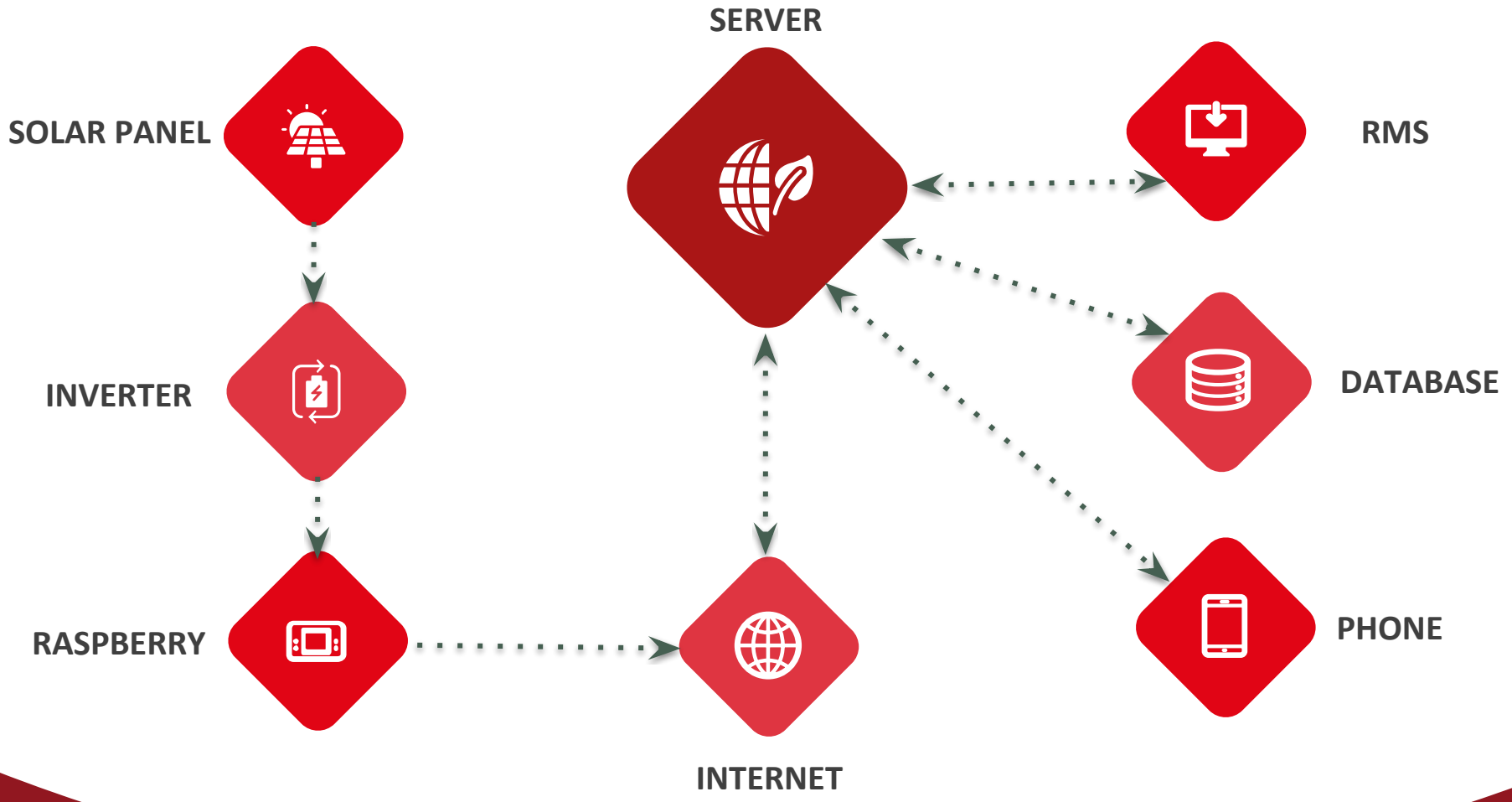
PROJECT OUTLINE



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SALIENT FEATURES

CONTINUOUS COMPARISON

Continuous comparison of actual system performance data against expected performance data

ONLINE DATA STORAGE

Performance reports 24/7 with access to backed-up online data storage.

DETAILED DATA

Detailed performance data down to the individual solar modules

REMOTE DIAGNOSIS

Remote diagnosis and resolution of issues impacting system performance

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APPLICATION USERS

RESIDENTIAL

Direct user of the electricity generated by the solar panel

COMMERCIAL

Solar panel installation service providers

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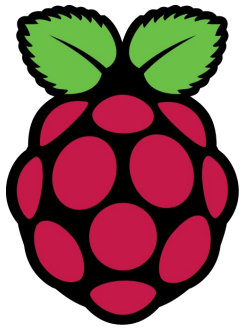
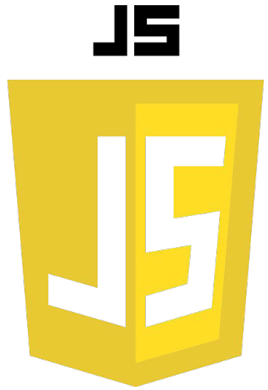
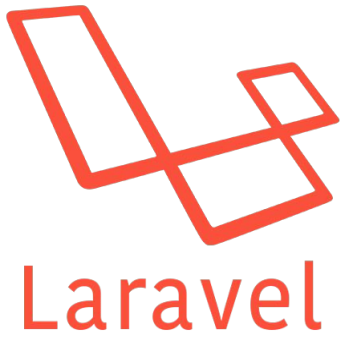
TECHNOLOGIES USED







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RESULTS

Easy to Set up

The process of putting together the equipment, machinery and syncing them together with the database is slightly tedious but easy enough to be set up quickly.

Easy to Track

The easy and comprehensive network of the equipments makes the ‘Monitoring System’ more efficient at tracking and recording the required information.

Cloud based Solution

What makes our solution even more attractive is its ability to be connected with your smartphones and cloud!

THANK YOU

Feel free to reach us at **info@symbtechnologies.com** with any business challenges you are facing

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