UNIDASH

An Enterprise Unified Dashboard

tidel

See, Control, and Analyze
all your data, all in one place

UNIDASH

Automation and Control Systems have a decades-long history in manufacturing lines, industrial equipment's and energy sector, with primitive controllers maturing into SCADA in 1960's and 70's

SCADA and DCS have further evolved into what many call Industry 4.0 is a revolution in which computers, robotics and automated control systems have combined with ubiquitous wireless connectivity, pervasive embedded processing power and cheap storage, cloud computing and big data analytics to create new insights into ways of operating equipment. transportation systems and entire factories.

*" **UNIDASH** is an Unified industrial dashboard platform for building SCADA, MES and IIoT Solutions "*

UNIDASH is designed in focusing the major problems existing in the current products and make it superior to all the product existing in the market by providing crude measures and controls using IIoT Enabled devices with enough intelligence and storage to collect, act on data which can be aggregated and analyzed to produce insights that were previously impossible.

Web Based

Monitor & Control

No Limitations

Customizable

Interoperable

Secure and Stable

Unidash PV is a custom tailored module for Solar Plant and Farms

Why *Unidash PV*?

- Monitor in a better and cost effective way
- Reporting and analysis engine to maximize
- Identify areas of losses
- Know what's happening in real time
- Reduce losses through proactive maintenance and monitoring
- Performance and yield analysis

Monitor and Record Parameters of Subsystems in Solar Power Plant, Power on DC and AC Side, Computation of Performance Ratio and efficiency.

Server centric architecture and can be accessed any where via WEB and Mobile.

Low-cost, Low-power, Wireless mesh network standard targeted at the wide development and scope for further expandability

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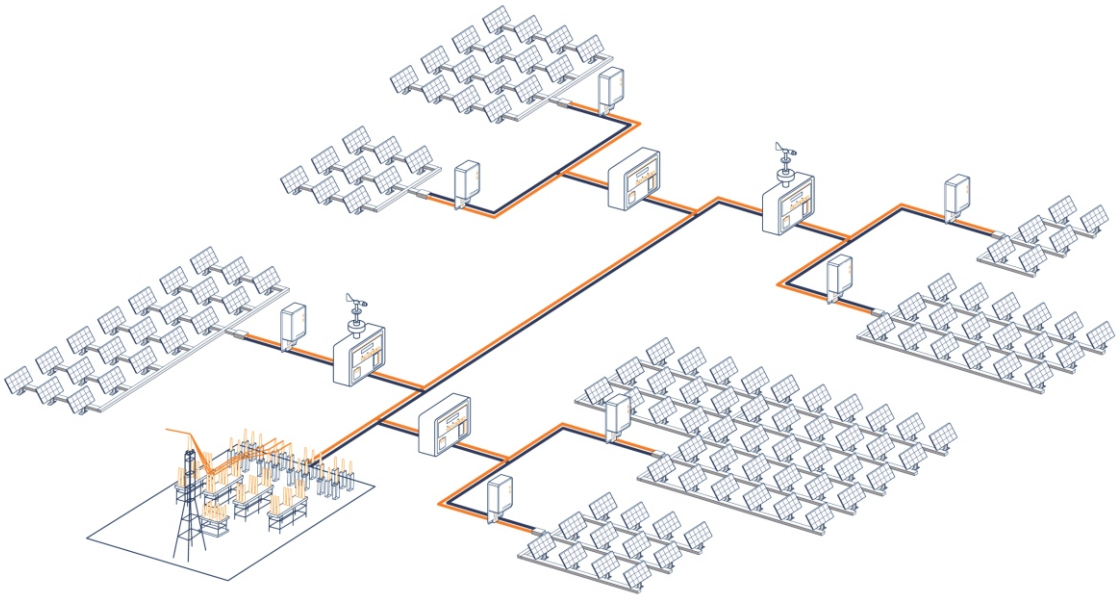
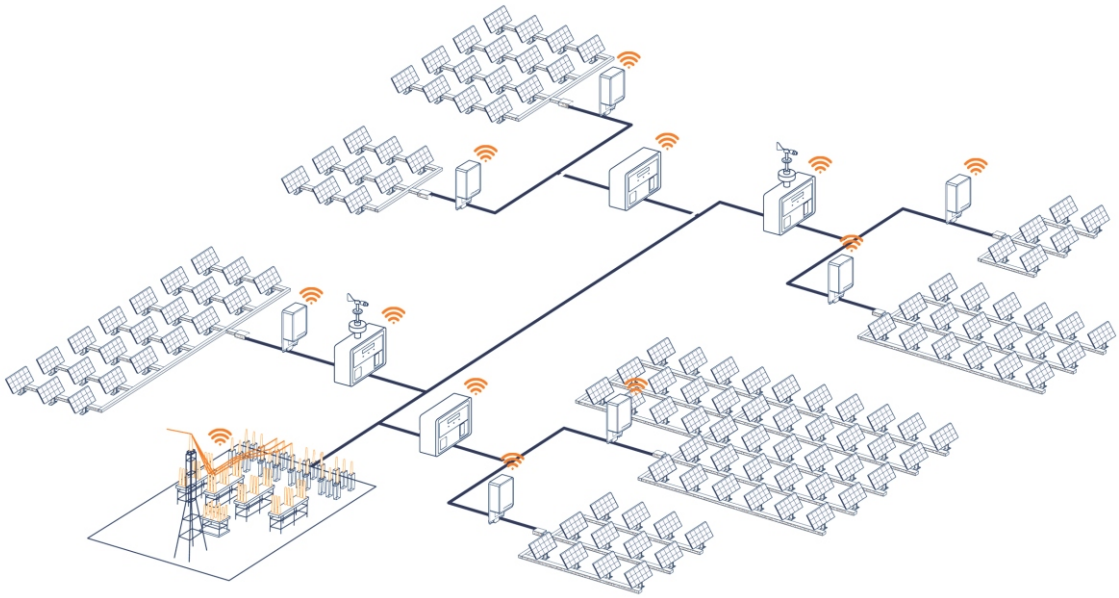
Before ***Unidash PV***



After ***Unidash PV***



** Image Courtesy : ABB*

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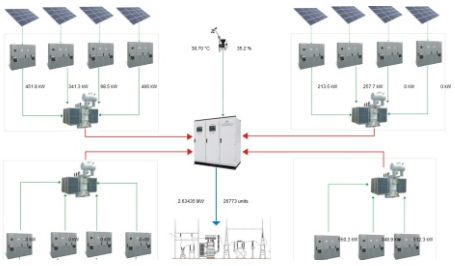
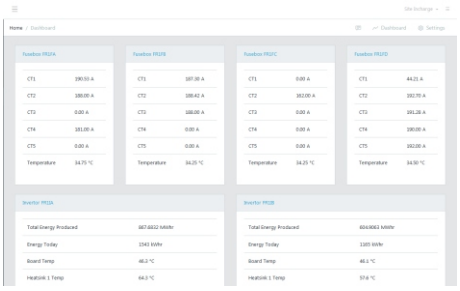
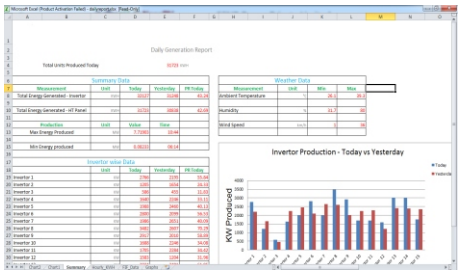
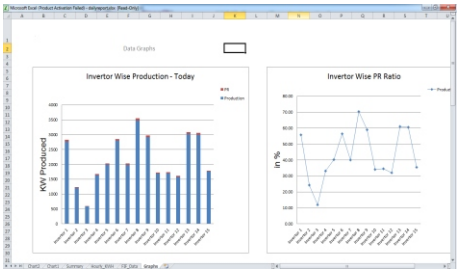
UNIDASH PV can monitor,

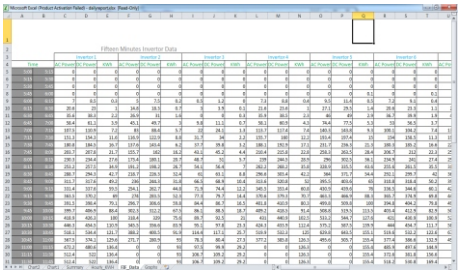
- Power Parameters at HT Terminals
- Voltage and Frequency at HT Side
- AC and DC Side power of Each Invertors
- SMB String wise Monitoring and Control
- Fuse Box Measurements
- Ambient Temperature
- Module Surface Temperature
- Wind Speed
- Rain Fall
- Humidity
- Solar Irradiation
- Fire Alarm and Monitoring











Major Advantages of UNIDASH PV

- ✓ Real time data and alarms over email and/or SMS
- ✓ Advanced analytics and reporting engine
- ✓ Integration with third party application like ERP
- ✓ No software capex cost
- ✓ Reduced opex cost
- ✓ Hardware agnostic - can support most of the standard string monitors, energy meters and invertors
- ✓ Network agnostic - can support secure transmission over public networks like GPRS, broadband and satellite
- ✓ No need to install client side software - web based solution requiring only a web browser
- ✓ Historical data archived in secure cloud storage
- ✓ Browsing through historical records is simple and easy
- ✓ Automated data backup- no worries of data

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UNIDASH

What would you Gain?

- 75% reduction in Implementation Time
- 30% Lesser implementation Cost
- No Cable required
- Easy Installation and Maintenance
- Plug and Play

We also work on...

- Solar Farms
- Wind Mills
- Oil and Gas
- Manufacturing Industries
- Healthcare Industries
- Travel and Hospitality
- Power generation grids.
- Showrooms and Retail networks
- Educational Institutions
- Logistics and Supply Chain Management

We work on and with

Schneider Electric

EATON

GIC
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Digi

Littelfuse

ABB

About Tidel

We work towards solutions to problems that will have a massive positive impact on the human lives globally.

Our Mission

" To create a radically new model of business and technology innovation life cycle management and commercialization that is primarily centered on the inventors/innovators, the entrepreneurs, founders, team members and customers to create a sustainable long-term value based innovation ecosystem. "

Contact Us

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