READY

Aktif Enerji LTD is founded in 1996. Since its foundation, it is known to be innovative in energy sector and accepted in a short time. Our firm, which has had distributorships of strong brands in its market, also formed its R&D department in 2010 and created BLUSKY trademark and its own products. Our firm has been exporting to more than 50 countries and designing new products each passing day and extending its range.

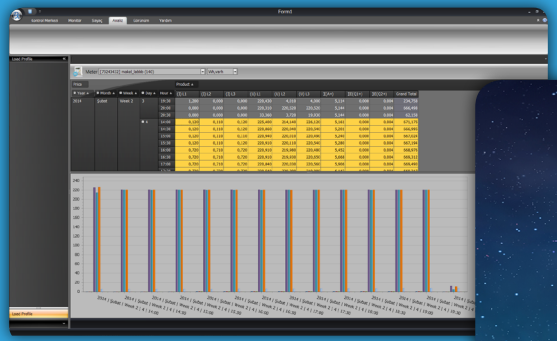
PROFESSIONAL METER AUTOMATION SOFTWARE

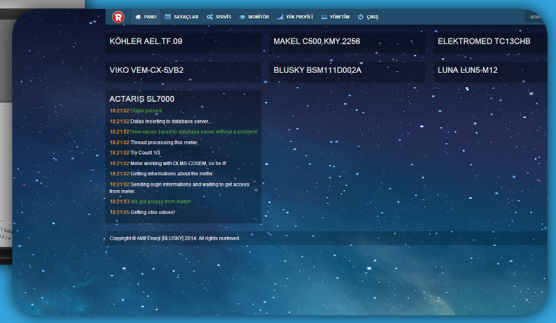
Active monitoring and analysis solutions regarding smart grid and meter automation systems.

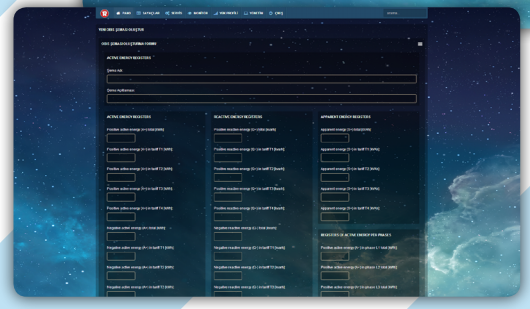
Aktifenerji
www.aktifenerji.com.tr

READYCITY

Its structure can contain limitless amount of meters. This approach which is limitless theoretically, with BLUSKY SMART MODEM integration and distribution of tasks...







Technical Features

. Ability to add new type of meters to the software, by means of driver architecture.

. Ability to add or change current transformer, voltage transformer or meter factor.

. Ability to run TCP/IP integraded within different servers by means of 5 layer structure.

. Ability to add and group unlimited meters.

. Swift visual access to meters, by means of mapping and scheme features.

. Online access and ability to add meters.

. Hourly, daily, weekly, monthly, annually reporting ability based on index and load profile values by means of analysis through strong graphic visuals.

. Ability to provide data for different programs by means of Data Export.

. Safe data transfer as encrypted data.

. Compatibility with all transparent modems.

. Reading of instantaneous values and ability to send data to various SCADA systems.

. Ability to run with Client Mode modems.

. Ability to integrate into SCADA systems with relevant modules.

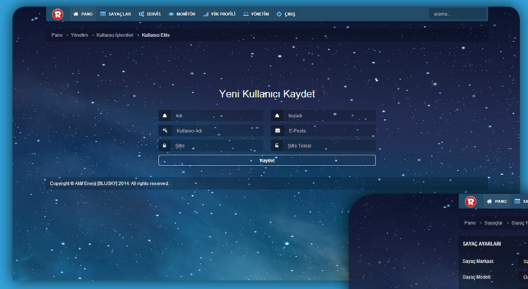
. Ability to add limitless meters and users.

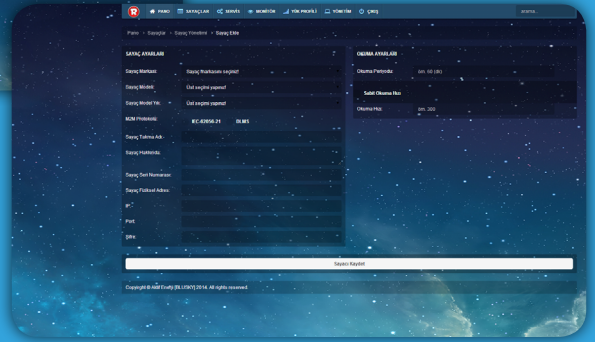
. Ability to read historical values ,end of billing, maximum demand of previous months.

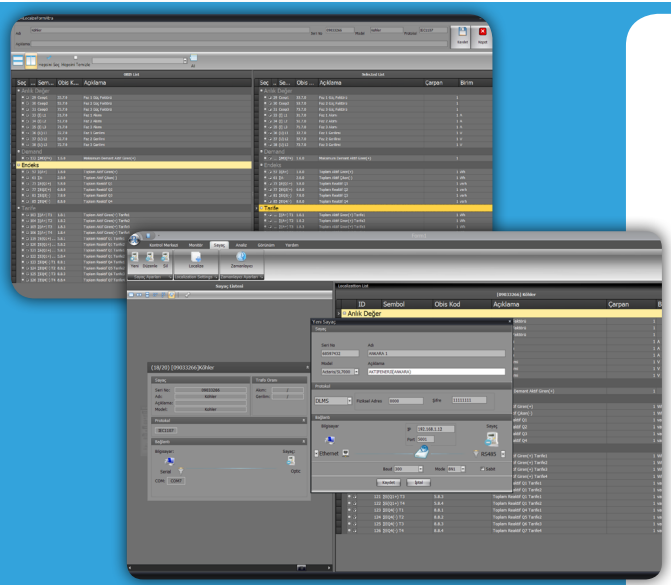
. Alert feature. Due to this one, it can raise alarms in case any value of the meter exceeds the limits.

. Easy integration with database systems such as MySQL, MS SQL and ORACLE and precise data recording by means of Data Verification Module.

. Ability to form monitoring panels by drag-and-drop or different positioning, showing the selected visual on another screen



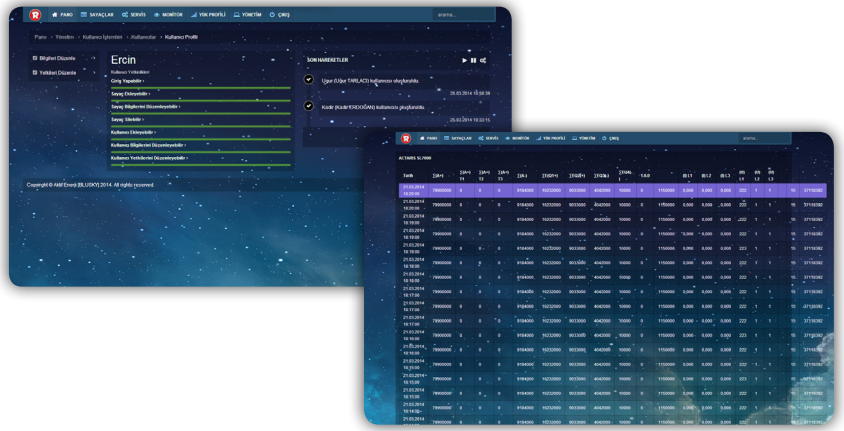




Reactive Energy and Estimation Module

It carries out monitoring and recording data from the beginning of billing period and reactive energy consumption of predefined meters in automation system. With this module, it is possible to monitor predefined meters' instantaneous energy consumption values, balancing, estimation is possible.

Billing Module



It helps monitoring the energy consumption, demand values, costs which also include fixed or variable expenses and pricing.

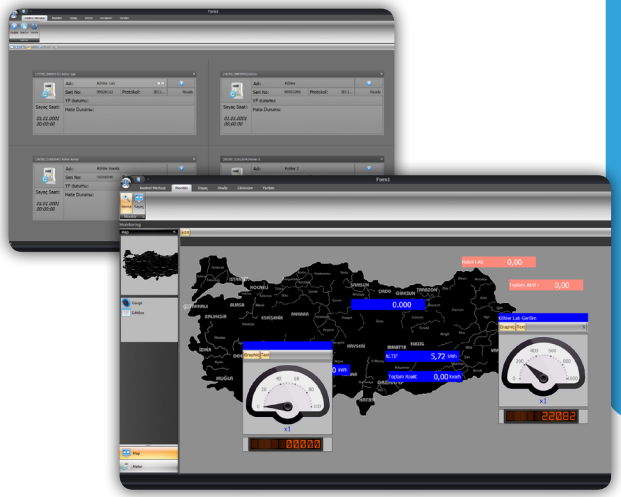
. Different billing templates can be formed with billing editor in this module.

. Users can set energy unit prices due to various tariffs. In addition, they can choose how many days the payment will be due after billing

Alarm and Message Module

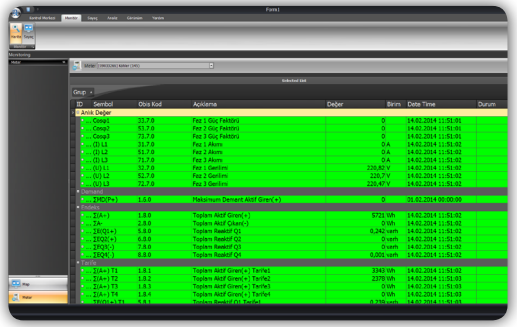
Risk/alarm feature may be added to the meters. Thus alarm and event log can be conducted in case the values are off the min-max limits. Alarms regarding such as demand, reactive, capacitive energy can be logged. Data from the meter are controlled constantly and compared with previous data. An unexpected margin is interpreted as risk and alarm goes off.

By means of e-mail/message/SMS administration module, messages from modems can be redirected to defined telephone numbers or e-mail addresses.



Formula Regulation

It enables users to create measuring points by choosing among data from the meters and forming several formulas. This module enables reports such as energy monitoring of meters in one or more location, reactive energy checking, calculating net amount of energy. This module also enables reporting of load profiles of one or more meters, index or instantaneous values by creating new formulas due to the need.



Multi Layer Structure

It is a modular and strong AMR/AMI software formed of 5 basic layers.

The layers are as database, data management, data collection, web server and application (web + desktop). The software can run both entirely on one server or computer and each layer can run on another server. These layers are designed to be totally modular. Modules can be added or removed according to the project's requirements. Thus the software can be upgraded due to future market needs.

General Features

The software has extendable multiple language support. By means of this architecture; all menus, units, explanations, messages, outputs and reports can be edited due to all languages besides English. It has improved message and help menus, thus it is quite user friendly.

With its cloud supporting topology, BLUSKY servers would provide even more economic solutions.

Display Module

This module is one of the most outstanding and strong parts of the system. It is the section in which all instantaneous values of the meters in desired structures. Instantaneous data inspection is conducted on set schemes, thus the most progressive application in meter automation systems is presented to the user. It is possible to locate the meter visually through Google Maps.

SCADA Module

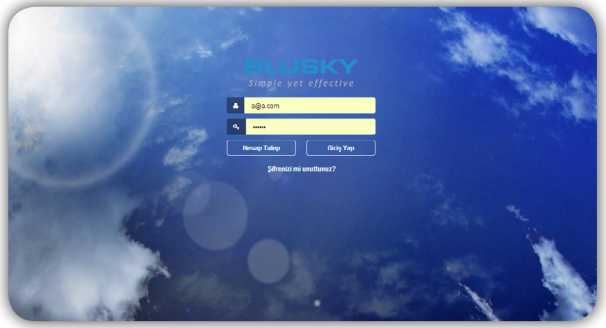
Compliance with different SCADA protocols are available by means of modular structure's flexibility. Protocols such as Modbus RTU, Modbus TCP, IEC 61850, IEC 61870-5-104, DNP3 can easily be added to flexible database. Moreover, SCADA module, energy monitoring and meter automation can also be integrated. Thus all the energy quality products within the system can be integrated to the software.

Reporting Module

The software has a strong reporting module and data export feature for different programs. It can present index and load profile values in different time zones and graphic formats (line, bar, pie etc) as 2D or 3D. User can save reported graphics or tables, and print them graphically or as OSF format. Also it enables association on reporting screen; and can access the meter visually over statistical information, sum and difference.

Virtual Meter Module

Enables testing the stability of the system. IEC, DLMS/COSEM and Modbus protocol meters can be defined; parameters for simulation such as communication speed, voltage, load, current, transformer ratio can be set; 10 meters can be defined in this item.



WEB Interface

Through WEB, limitless user definition can be made.

Through WEB, users can be authorized as administrator, user or observer.

Through WEB, all accesses to the system are controlled by SSL data encryption.

All interaction information through WEB such as username, time, interaccction type; are logged.

Through WEB; consumption monitoring, load profile, report and analysis, queries and data export also can be conducted.

WEB interface can easily run on mobile devices such as tablets, mobile phones and PDA's.

Installation is not mandatory for the platform which has HTML5 platform.

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