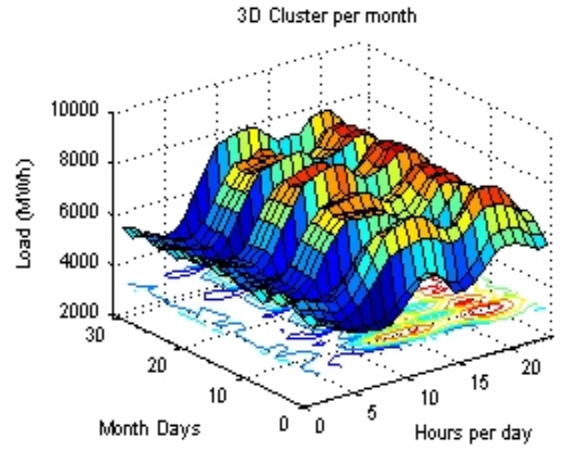




Energy Information Systems

Web-based Energy Management



INTELEN is a spin-off R&D group, founded by a core-group of promising high-educated Greek Engineers , in order to create and disseminate high-level web-based Information Technology services of the Greek and International sector.



INTELEN is a mirror of the Greek research potential targeting the opened Greek an International market, in the domains of web-based IT, Data Fusion, Energy Information Systems, Knowledge Engineering and Management with integrated Ambient Intelligence. Our main philosophy is the bi-directional use of Internet. We take Internet as the basic means and method of accessing information and at the same time we use Internet to deliver web-based services to our clients. Internet is mainly considered as a big repository of chaotic information and at the same time a huge communication layer that brings together many people over services. By using advanced algorithms that search, retrieve and categorise distributed knowledge, we create dynamic knowledge banks and use this knowledge over the Internet to serve our customer's needs for an effective Knowledge management procedure. The use of this knowledge repository is being realised through web-based technology, Internet and VPNs.

Our domain of applications is mainly the Energy Domain. Following extensive research activity on modern Energy Information Systems (EIS), Energy Data Mining, web-based Retrieval on Energy measurements, Ontology modeling, Internet-based Intelligence and Knowledge Management, INTELEN has already created two systems and methods of managing and manipulating telemetry-based Energy data and Energy sources through Internet and web-based IT systems. Both systems are protected by two Patents from OBI and in the future by the European Patent Office..

Our target and scope is to become an innovative leading Greek high-tech company that will take into advantage and use the invaluable Greek research potential and create advanced and future-oriented web-based services, according to the future society's needs.

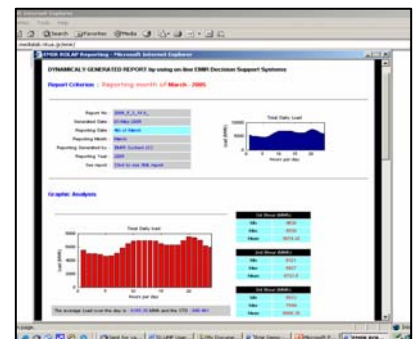
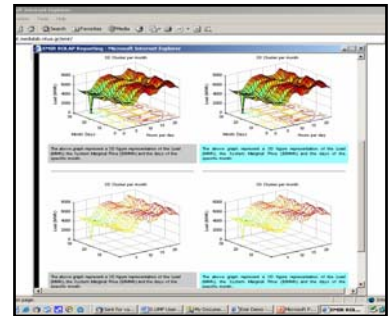
Energy Information Systems (EIS) are starting to pop up everywhere now. Web Based Energy Information and Control Systems: Case Studies and Applications meters and data collection devices connect to local area networks, the availability of data makes an EIS much easier to develop and use. Organizations might also opt to purchase a Commercial Off-the- Shelf (COTS) version of an EIS.



EMIR is a dynamic Web-based Decision Support System and it's new to its kind. The back-end technology comprises of an IIS, Matlab Clustered Web Server, Tomcat and Apache (J2EE). There is also a combined MySQL and MS-SQL Database server. The communication of the Application cluster servers is through JSP, Servlets and MSP (Matlab Server Pages). It is the only intelligent web-based DSS system in Greece, based on the combined J2EE - MATLAB Architecture.

System's current and under development characteristics:

- Web-based Decision Support System
- Energy Producers and Energy Suppliers can control loads
- Consumers can watch their energy consumption
- A bi-directional Web-based Energy Information System
- GSM meters and dedicated VPN Networks for AMR
- Web-based Data Warehousing for Energy Transactions
- Generation of fully customized web statistical graphs
- Effective customer clustering and energy profiling
- Continuous graphical monitoring of all energy loads
- Automatic & optimal variable pricing methodology
- Directed energy campaign marketing
- Energy CRM services and customized ROLAP



Complete on-line broker to play and gamble Energy prices through Internet



INTELEN R&D Group

Central Offices in Athens

75 Lydias Street,

PO 16121,

Athens,

GREECE

tel.fax: +30 210 7292666

Web: <http://www.intelen.gr>

Portal: <http://www.energyforce.gr>

email: info@intelen.gr

Contact us for:

R&D Projects, Web Services, Web Engineering, IT Consulting,
Energy Clustering, Energy IS, Energy DSS Methods, Energy Mining,
Project Management,- Energy Minimization, R&D Consortia, Business
Development, New Services concepts, Feasibility and Business