



Web Portal / Product Explanation

Q3/2011

Web Portal – “What is it ?”

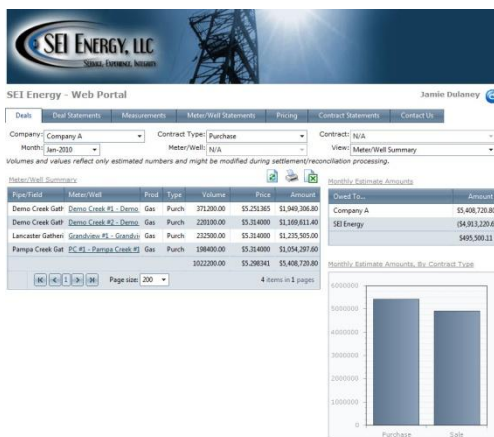
Highlights

- ➔ The **EnergySteward** ‘Web Portal’ is a companion product for the **EnergySteward** ‘Back Office’ oil & gas administration system. The ‘Web Portal’ leverages the same **EnergySteward** database administered by the ‘Back Office’ application.
- ➔ The ‘Web Portal’ database and software can be integrated with many other 3rd party ‘Back Office’ administration systems (in ‘data warehouse’ mode). This addresses those situations where existing 3rd party administration systems are still required BUT a data warehouse tool and portal are desired.
- ➔ The ‘Web Portal’ provides secure and easy-to-use web views of oil and gas Information (for management team, outside customers, vendors, etc). This includes advanced security setup features for groups, overrides, etc.
- ➔ The ‘Web Portal’ provides multiple business collaboration opportunities to strengthen relationships with counterparties.
- ➔ The ‘Web Portal’ allows selected counterparties to have timely access to information as it relates to deals, contracts, pricing, measurements, etc.
- ➔ The ‘Web Portal’ also provides internal management teams and key employees with quick (flash) information such as summaries on contracts, monthly deal transactions, online contract & deal statements, etc.
- ➔ The ‘Web Portal’ **contains NO per seat restrictive login licensing**. There are NO limits on how many logins can be setup.
- ➔ **EnergySteward** (‘Back Office’ and ‘Web Portal’) have been developed explicitly for secure native web access. No emulation software (or Citrix sessions) required. Only requires a popular web browser with an internet connection.
- ➔ **EnergySteward** (‘Back Office’ and ‘Web Portal’) were developed to be leveraged in a highly collaborative web environment. Both data and functional level security has been built into all areas. Most other 3rd party oil and gas legacy administration systems provide NO native web opportunities AND are not structurally designed to handle the various levels of collaborative data security.

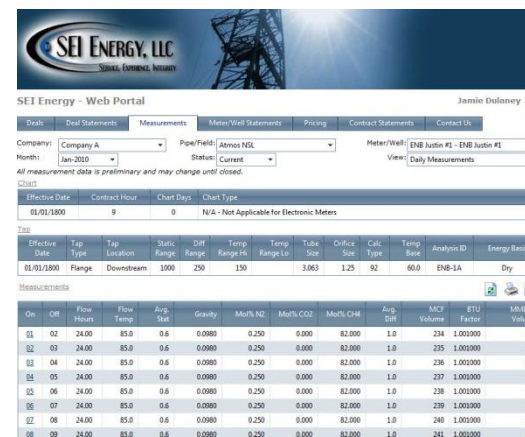
A Few Screen Shots...

Many different views are available thru the **EnergySteward** 'Web Portal'. Security options exist to specify which views are available to specific customers and partners. Below are a few (miniature) screen snapshots on select views.

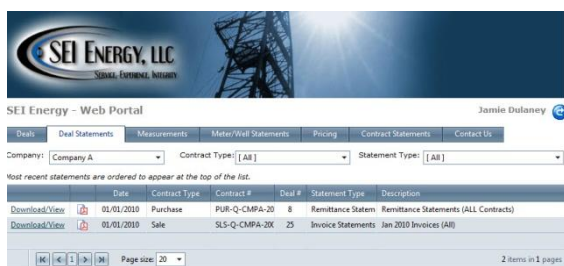
Deal Summary View (includes drill down)



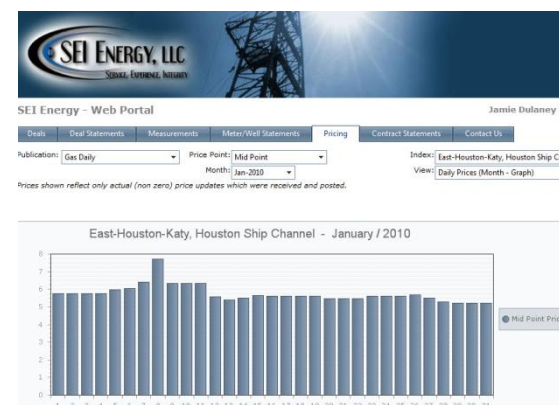
Meter/Well Measurement View (includes drill down)



Deal Statements View



Price Index Trend View





EnergySteward Background

EnergySteward is a native web based oil and gas administration system. **EnergySteward** has powerful 'back office' capabilities (managing counterparties, contacts, contracts, pipes/fields, meters/wells, deals, volume scheduling, etc.). In addition, **EnergySteward** offers a secure 'Web Portal' solution which can provide timely views to internal management teams and external customers and partners. This 'Web Portal' presence can offer a valuable service which can help distinguish your company from your competitors.

For those companies that already have an existing 3rd party administration system (for managing contracts, deals, etc.), the **EnergySteward** software can be setup in 'data warehouse' mode, which will enable automated populations from your existing systems. This 'data warehouse' feature provides for offloading and aggregating critical information assets into the **EnergySteward** database (in data warehouse mode) thereby making it available for secure 'Web Portal' access. Business intelligence tools & reporting can also be enabled against the **EnergySteward** data warehouse. This 'data warehouse' mode provides for minimal impacts to your existing operational environments.

EnergySteward Background

- ➔ Initial Development Began In 2003
- ➔ Energy Business Focused
- ➔ Contract Centric and Highly Customizable
- ➔ Developed Using Latest Web and Database Technologies
- ➔ Developed to Offer Affordable 'Subscription' Based Pricing
- ➔ Developed to Extend Non Traditional Software Licensing (no limits on login's, flat fee pricing, etc.)
- ➔ Currently has Upstream & Midstream Client Base (oil and gas)
- ➔ Owned by Software Experts Inc., (an Oklahoma 'C' Corporation, since 1997)

Contact

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Over 29 years experience in consulting and software development/design.

Over 12 years experience in the oil and gas industry.

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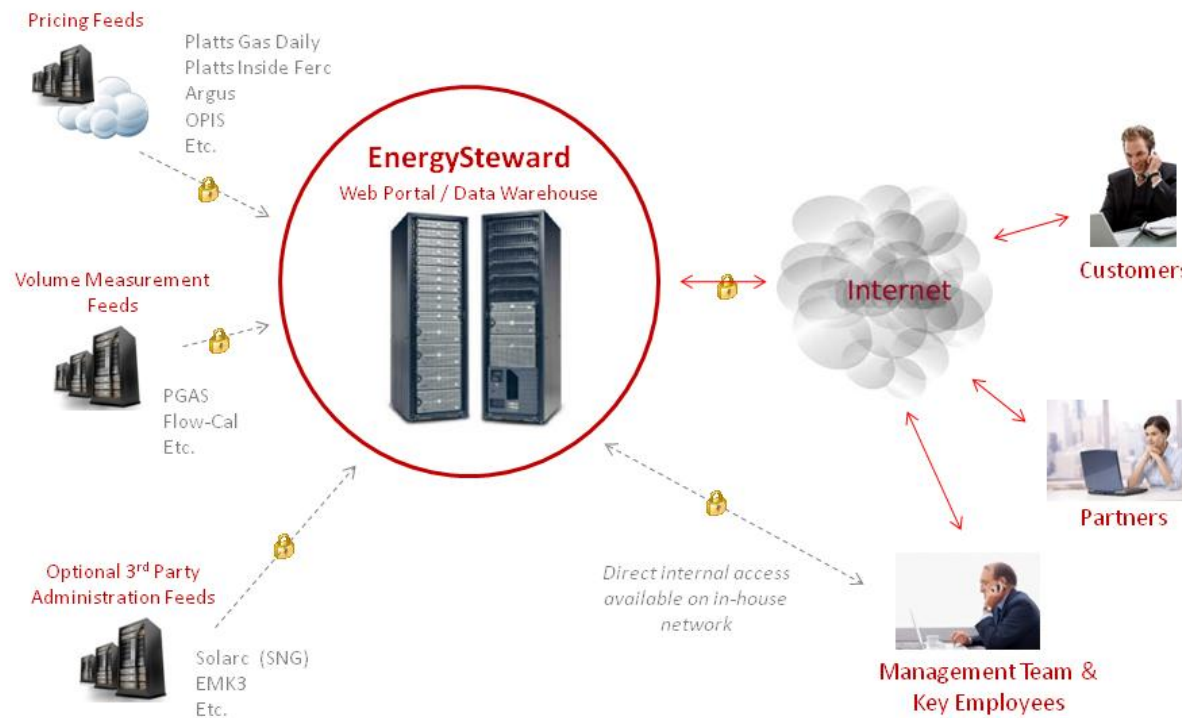
972-352-7936

Over 26 years experience in sales and customer support, with over 12 years experience in the oil and gas industry, including a heavy emphasis in SCADA environments.



How it Works

The following diagram illustrates a very high level schematic of how the **EnergySteward** 'Web Portal' operates.



Please note, the various feeds (pricing, measurement & 3rd party administration) are optional. Management teams and key employees can access the portal through the 'internet cloud' OR thru a secure local connection. This direct connection is available with **EnergySteward** in-house installations. Business Intelligence (BI) reporting can also be directly interfaced to the data warehouse for custom views and reporting.

Sample Security Access Scenarios

The following lists out users (customer/partner/vendor/employee) and their security authorizations within our standard demo environment. This illustrates a few, of the many possibilities, for allowing access to the various areas within the web portal. We use these logins during our product demonstrations to illustrate the areas of the system (data and functional) which can be restricted, for any specific user.

User No.	Company	Name & Login	Specific Portal Security Access				ES BackOffice Security	Comments
			Deals	Contract Statements	Meters and Measurements	Pricing		
1	Company A	Gerri Willis gerri.willis@companya.com			✓	✓		Gerri has access, as a producer, to meter and measurements for 3 meters/wells. ATMOS -> ENB Justin #1 Demo Creek Gathering -> Demo Creek #1 NGPL -> NGPL #802 In addition, Gerri also has access to the pricing area of the portal.
2	Company D	Becky Woods becky.woods@companyd.com			✓	✓		Becky has access as a producer to meter and measurements for 1 meter/well. Demo Creek Gathering -> Demo Creek #1 Notice, this is the same meter/well which another user (Gerri Willis) has access. Becky also has access to the pricing area of the portal.
3	Company A	Mark Kennedy mark.kennedy@companya.com	✓			✓		Mark has been assigned access to only the deal and pricing areas of the portal for his specific company.
4	Company B Company D	Megan Kelly megan.kelly@companyb.com	✓			✓		Megan has access to deals and pricing. Megan has been provided with access to view two companies (legal entities) associated on the deals. Company B and Company D deal information will be available to Megan.
5	Midcontinent Express Pipeline	Tom Price tom.price@midcondemo.com		✓				Tom has access to only see copies of contract statements and forms associated to his company.
6	ALL	Jamie Dulaney jdulaney@energysteward.com	✓	✓	✓	✓	✓	Access to all areas of the portal for all companies, Also, has access to swap back and forth to EnergySteward Back Office environment. Normally, employees of the company managing the data warehouse are assigned access to ALL companies. Their portal security can be optionally restricted EVEN IF they have access to ALL companies.



Questions & Answers

Question	Answer
➡ I was under the assumption that EnergySteward was already completely web based. What makes this web portal component unique?	<i>Both the 'Back Office' and 'Web Portal' are web based. The 'Web Portal' was designed with a simpler (high level) dashboard interface. The various 'Web Portal' views were developed in order to aggregate the back office data for easier review and high level decision making.</i>
➡ What is special about EnergySteward 'multi level' security?	<i>A traditional security model will usually only employ a 'functional area' security (horizontal). EnergySteward was developed to also allow data value level security, based on company affiliations (vertical). This allows us to restrict each user to a set of functional areas AND which specific companies that are available to that user.</i>
➡ Can EnergySteward take feeds from any system?	<i>In some situations there might be licensing fees (price publications, etc.). Normally, other in-house systems can have traditional ETL procedures created to build and maintain the EnergySteward warehouse.</i>
➡ What type of effort & costs are involved in building a 'data warehouse'.	<i>Depends on the number of systems and the ETL mappings& tasks required. A key area of a data warehouse project is to identify these sources, mappings, etc. This determination is usually completed at an appropriate decision checkpoint within the data warehouse project plan. This checkpoint is usually established to offer opportunities to adjust project plans based on the actual anticipated costs.</i>
➡ What if I'm already using EnergySteward for my 'Back Office' contract, deal, scheduling and pricing ?	<i>If you are an existing 'Back Office' customer, whom is fully licensed for the entire system, then the portal is immediately available for configuration. A simple licensing upgrade is available for those customers that currently are on a restrictive license.</i>