

# STE Energy

*STE energy is one of the major operators in the field of energy and planting engineering with more than 200 systems implemented over the past years in Italy and aboard and branch offices located in various countries.*

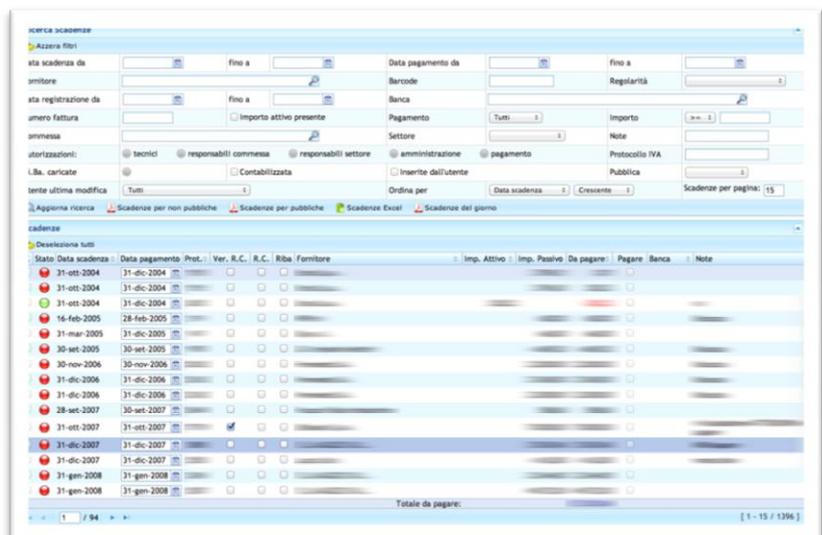
*“ZK helped to deliver a desktop-like application with less work than developing a real desk-top app”*

## About STE Energy

Established in 1995 in Padua, Italy, STE Energy develops, designs, builds and manages energy production plants especially in hydropower, electrical and thermo-technical systems. It also builds wind, solar and biomass cogeneration systems and electric energy production, transport and distribution plants all around the world.

## The Project

ZK is used to develop an intranet ERP system including many modules starting from orders, offer requests, employers' management to budgeting, financial reports, cash flows etc.

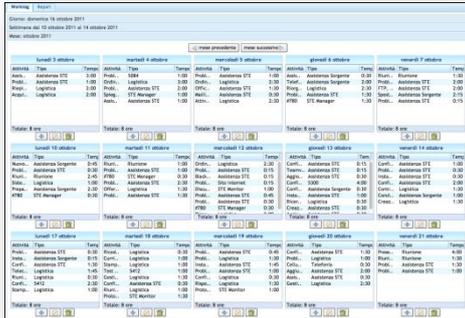


## The Architecture

- ZK + Spring + Hibernate +MySQL

Every new page created has a main Window component and a GenericForwardComposer attached. Heavy use of databinding, listboxes and grids were involved. An AspectJ aspect was also written to solve the LazyInitalizatonExcepton, it catches the

exception that occurs in every get\* method in Hibernate classes; does all the reattaching stuff and repeats the operation. As for DAOs, the GenericDAO<T> approach was followed, extending it for implementing more complex features without having to rebuild wheels.



## Why ZK

The aim of the project was to create a full-Ajax application and ZK was chosen based on the following criteria;

- Minimum amount of boilerplate code, configurations etc.
- Quantity/quality of components, especially Listboxes, Grids etc. (most used components in enterprise)
- Databinding support
- Open Source License

Along with recognized values of ZK such as simplicity, component quality, and community support.

Besides, writing ZUL files is fast and simple. When you have a simple table with some db data to show, writing agrid/listbox with a model it's a matter of seconds, contrary of what happens with other frameworks. There is also almost a component for every need while creating new ones are pretty straightforward

One more thing, ZK can create more complex components by composing simple ones, and without a single line of JavaScript.

*“Simplicity, component quality, community”*

## The Result

ZK helped to deliver a desktop-like application on the browser and with less work than developing a real desk-top application. Right now, the project is at approximately 100 pages with more modules to be added in the plan.



## About ZK

Potix Corporation develops and supports ZK, the #1 Ajax solution on SourceForge.net, the world's largest open source host. ZK has more than 1,500,000 downloads since its first release in late 2005. ZK is deployed by a large number of Fortune Global 500 companies, including Deutsche Bank, Barclays, Sony, Sun Microsystems and Toyota, providing them with the ability to rapidly create rich Ajax enterprise level applications.

## Contact us

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