

Authentic Vision

Authentic Vision was founded with the mission of becoming the world's trusted source for brand, product and value authentication by empowering consumers, industries and authorities through market-leading technologies openly accessible to everyone.

"We started the project with ZK and never regretted it."

About Authentic Vision

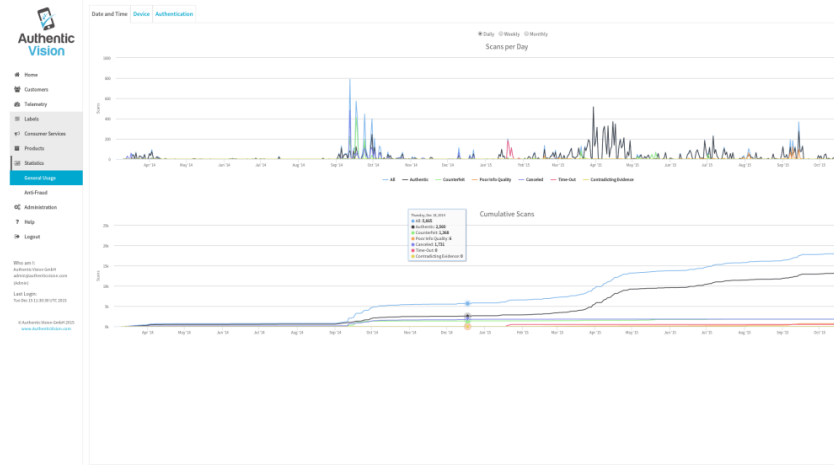
Founded in 2012 as an official spin-off from the University of Applied Sciences Salzburg, Authentic Vision is best known for providing new and innovative ways of brand protection. The company holds several patents and is cooperating closely with universities and the world's leading security printing companies to stay abreast of the latest developments in the fields of brand/value protection and customer communication solutions.

ZK X Helios

Helios is Authentic Vision's portal to manage and configure the overall lifecycle of their product; this includes registering labels, managing products and adding consumer-related campaigns that are shown after a successful scan of a label. In addition to management tasks, this portal also shows all the statistics concerning the scan data. All customers have their own accounts and access rights to manage their labels and products by themselves.

At the moment, this project is implemented by only one engineer but the team will soon be expanding.

“So far we have found everything we need included in ZK.”

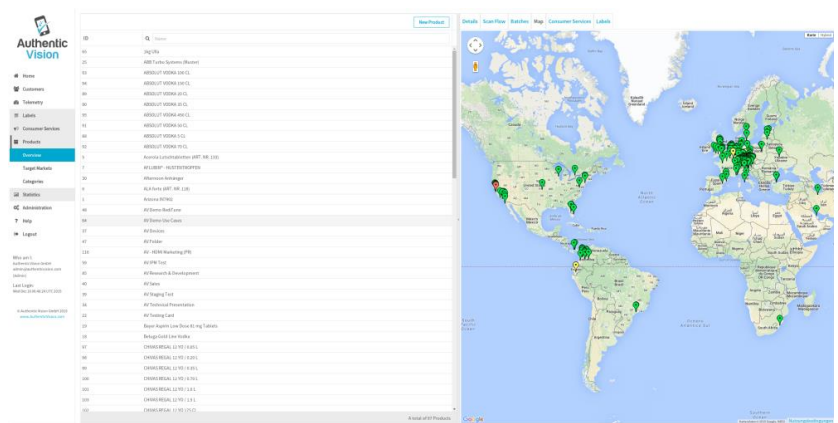


Architecture

We are using ZK as GUI component in combination with Spring and Hibernate for the business logic and database mapping. In both projects we follow the MVC pattern and use Gradle as build script.

The Challenge

Helios has to provide a simple way to configure and manage the whole system for each customer. Additionally, all our customers should be able to manage their own products and labels. Furthermore, the huge amount of data created by every single scan of the labels has to be visualized to build statistics.



Why ZK

A colleague of ours used ZK in a private project and recommended it for this project as it is easy to learn and has great performance.

Therefore, we started the project with ZK and never regretted it.

Before this ZK-powered version, we had one prototype of Helios written in PHP with Zend Framework 2. But as too much time was spent on coding JavaScript and HTML, we decided to search for an alternative solution that could offer a better and faster framework for building this project.

ZK makes it very easy to build powerful web applications in Java. Since there is no need to do the JavaScript components and all the Ajax calls ourselves, we can focus on the business logic and the database communication. Hence, the development process is very clean, as the UI can be done efficiently, resulting in more time to develop the application itself.

The screenshot displays the 'Authentic Vision' web application interface. On the left is a navigation menu with items like Home, Customers, Inventory, Labels, Consumer Services, Products, Statistics, Administration, Help, and Logout. The main content area features a data grid with columns for ID, Manufacturer, Product, Country, App Version, Core Version, All Auth. Rec., and Duration (s). To the right of the grid is a 'Scan/In-Graph' visualization. Below the grid is a 'General Info' section with a 'Inventory Data' tab, showing details such as ID, Session ID, Installation ID, SLD, Authentication Results, Product, Batch, Consumer Service URL, Server, Operating System, App Version, Core Version, Session Init Time, Scan Time, Country, State/Province, and Location Details.

The Best of ZK

The list/grid components are used in nearly every module of Helios as they are easy to use and very powerful in handling huge amount of data. Also, the possibility to directly visualize all the scan data with ZK Charts without writing any client-side code is one of what we appreciate most about ZK. In fact, we consider ZK to be the most feature-and-component-rich framework for developing Java Web Applications.

The Result

ZK has been a major factor in the success of the development project and will be used in another new project which will be used for an internal benchmarking tool. Helios is a continuous project where we are adding more and more features every day and ZK helps a lot in a very fast development of new features. We are also thinking about upgrading to the new ZK 8 soon, in order to take advantage of all the new features and optimizations.

So far we have found everything we need included in ZK.

About ZK

ZK is the leading enterprise Java Web framework with more than 1,500,000 downloads. ZK is deployed by a large number of Fortune Global 500 companies, including Barclays, Allianz, Swiss RE, Roche, Deutsche Bank, Sony, Sun Microsystems, and Toyota, providing them with the ability to rapidly create rich Ajax enterprise level applications.

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