



# Virtimo AG Simplifies Digital Solution Development with Sencha Ext JS

CUSTOMER SUCCESS STORY



# Guiding Digital Transformation: How Sencha Ext JS Simplifies UI Development for IT Consulting Company

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Virtimo is a leading software manufacturer and IT consulting company headquartered in Berlin. With over a decade of experience in the industry, Virtimo now counts more than 100 experts specializing in digital transformation, process automation, system integration, cloud services, and the design and implementation of specialized IT solutions.

While their primary focus is on the energy sector, Virtimo offers its services to clients in other sectors as well, including automotive, technology, insurance, and retail in the greater European area. With a strong track record of delivering innovative solutions to complex business problems, Virtimo has become a trusted partner for businesses seeking to drive digital transformation and improve their operations.

However, some of the Virtimo clients have complex and varied requirements, which may be challenging to address, and Virtimo faces the challenge of developing and implementing these solutions for them in a timely and cost-effective manner, especially when significant changes are required to their existing BPC systems or processes. Therefore, the main challenge for Virtimo was to strike a balance between meeting the needs of their clients while keeping the development process simple, efficient, and within budget.

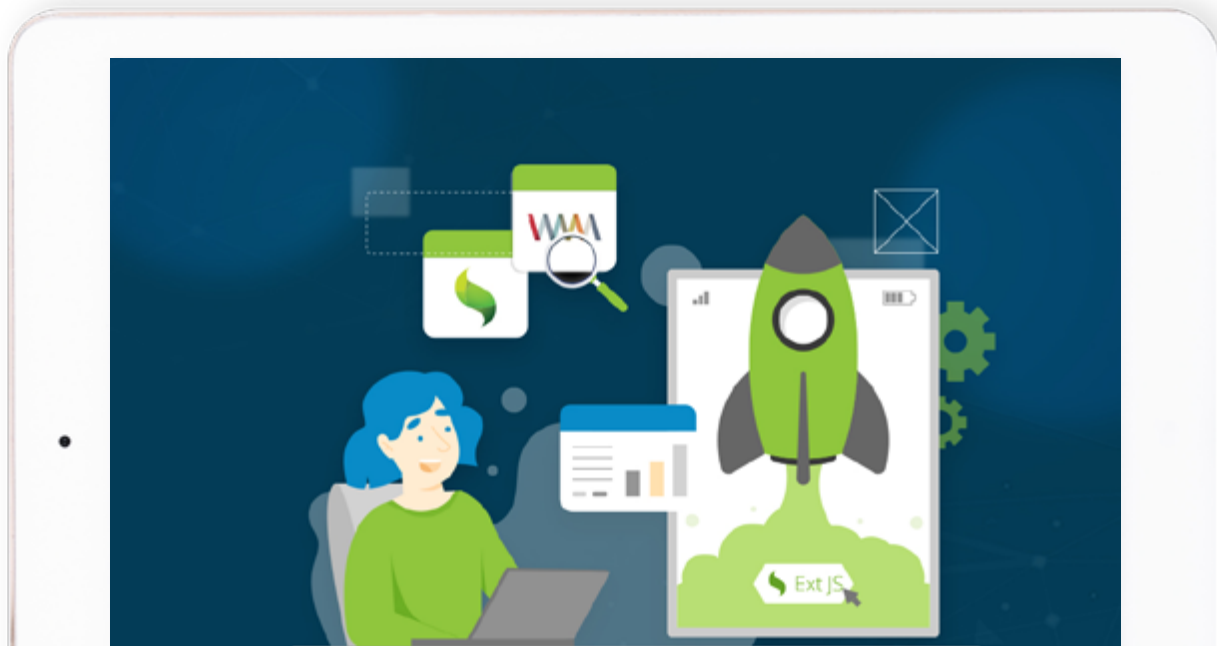
Virtimo evaluated several tools, including React, Angular, Meteor, and Sencha Ext JS to develop their BPC (Business Process Center) application. They looked at the features, benefits, and drawbacks of each option.

Virtimo considered the following factors when making their final decision:

1. **Development time:** They needed a tool that would enable them to create applications faster.
2. **User interface:** Virtimo wanted a tool that would create a polished user interface that was easy to use.
3. **Maintenance:** Their ideal tool would be easy to maintain, update, and upgrade.
4. **Scalability:** The ability to scale up their applications as the company grew was an important aspect.

After careful consideration, Virtimo chose Sencha Ext JS as their software tool of choice.

The reason was simple: it provided a comprehensive and easy-to-use UI toolkit that was both scalable and maintainable. This tool met all of their requirements and allowed them to create high-quality applications in a shorter amount of time.



"What convinced us about Ext JS is the extensive selection of components that can be used to quickly create new interfaces, and the fact that a developer does not have to deal deeply with HTML and CSS in doing so."

Virtimo AG

# Designing for Flexibility: How UI Enables Scalable, Modular Application

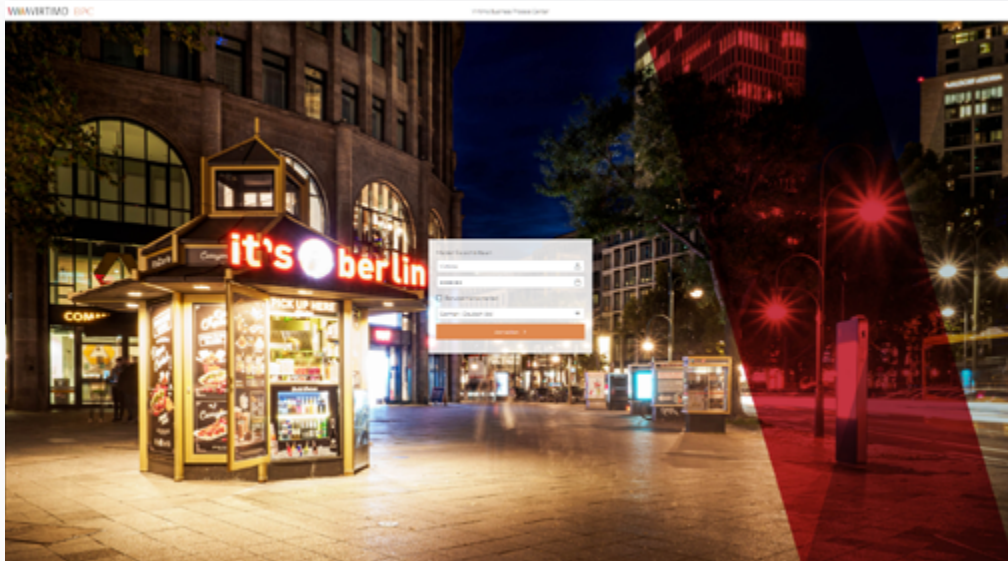
Virtimo's development process for the BPC application started with a prototype to check whether the selected technology stack was sufficient. After selecting Sencha Ext JS, the company developed the application from scratch while reusing individual components from the prototype. One of the biggest challenges was to make the application modular, but the flexible interface allowed the company to develop individual modules independently and easily extend the application.

The BPC application serves as a centralized software solution for the monitoring, analysis, regulation, processing, and documentation of IT-controlled business processes. It provides a comfortable and integrative interface between employees and various long-proven and technically mature business processes within a company, thus serving as a people layer in the Virtimo digitalization driver. The BPC follows a low-code approach and prefabricated modules, which allows for a fast time to market.

## Impact of Sencha Ext JS on Virtimo:

- Sencha Ext JS helped Virtimo improve the performance and responsiveness of their BPC application.
- The framework allowed Virtimo to create a highly customizable and scalable application that could meet the changing needs of their clients.
- The use of a unified and standardized development approach helped streamline development and maintenance processes, reducing the overall cost of ownership of the application.

**Virtimo AG's BPC application login user interface**



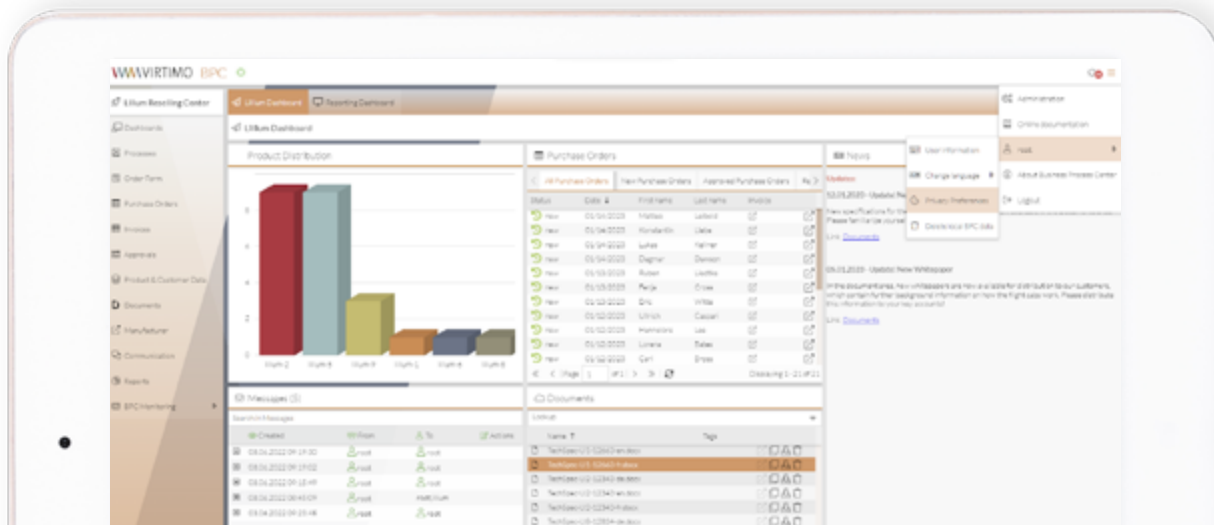
### Business benefits of the BPC:

- The BPC application helped Virtimo improve their financial planning and analysis processes, resulting in better decision-making.
- The software allowed Virtimo to create and analyze various scenarios and forecasts, helping them identify potential risks and opportunities.
- The application enabled Virtimo to collaborate more effectively with their clients, providing them with accurate and timely financial data.

### Advantages of a low-code approach:

- The low-code approach helped Virtimo reduce development time and costs by allowing them to build applications using prebuilt modules and drag-and-drop interfaces.
- The approach allowed business users to participate more actively in the development process, as they could provide input and feedback on the application's design and functionality.
- The low-code approach helped improve the overall quality of the application by providing a standardized and modular approach to development, making it easier to maintain and upgrade the application over time.

#### Summary Overview of Virtimo Digitalization BPC built with Ext JS



"Our mission as an IT consulting company is to guide our customers on the path of digital transformation by reducing complexity for them. Vice versa, Sencha Ext JS has reduced complexity for us in the development of our BPC, enabling us to very quickly create a complex user interface that can be dynamically adapted to the given configuration."

**Object-oriented approach:** Sencha Ext JS is built on an object-oriented approach, which makes it easy for developers to create and reuse code. The framework provides a set of base classes that can be extended to create custom classes, and these classes can be used to build complex UI components. This approach makes it easy to create modular, maintainable code that can be easily adapted to changing requirements.

**Extensive grid component:** Sencha Ext JS includes an extensive grid component that makes it easy to display large sets of data in a tabular format. The grid component provides a wide range of features, such as filtering, sorting, and grouping, and it can be easily customized to meet the needs of the application.

**Separation of style/theme from an application:** Sencha Ext JS separates the style and theme of the application from the application logic, which makes it easy to apply a consistent look and feel to the entire application. The framework provides a set of predefined themes, and developers can easily create custom themes to match the branding of the application. This approach helps to improve the user experience and makes it easier to maintain the application over time.

**Scalability:** Sencha Ext JS is highly scalable, making it an ideal choice for developing enterprise-level web applications. The framework is designed to handle large and complex applications, and it provides a range of tools and features that can help developers create scalable and maintainable code.

**Ease of use:** One of the main benefits of Sencha Ext JS is its ease of use. The framework comes with a wide range of prebuilt components and widgets that can be easily customized and extended, allowing developers to build complex applications quickly and efficiently.

**Cross-platform compatibility:** Sencha Ext JS is a cross-platform framework, meaning that it can be used to develop applications for a wide range of devices and platforms. This includes desktops, tablets, and smartphones, as well as popular web browsers like Chrome, Firefox, and Safari.

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Sencha tools help companies accelerate development cycles for enterprise-ready web applications. Sencha's development framework offers a single coding paradigm across all components, with hundreds of pre-integrated and tested UI components, built-in themes, and sample apps and stencils. More than 60 percent of Fortune 100 companies use Sencha products to design, develop, and test their data-intensive, cross-platform web and mobile applications.