



FRESHCODE
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icCube



Client: icCube



Client Site: iccube.com



Industry: Business Intelligence



Country: Switzerland



Size of the Team: 3 people



Duration: ongoing, 8 months



Technologies Used:



APACHE ANT



REACT JS



D3 CHARTS



GOOGLE
MAPS



TYPE SCRIPT



AMCHARTS



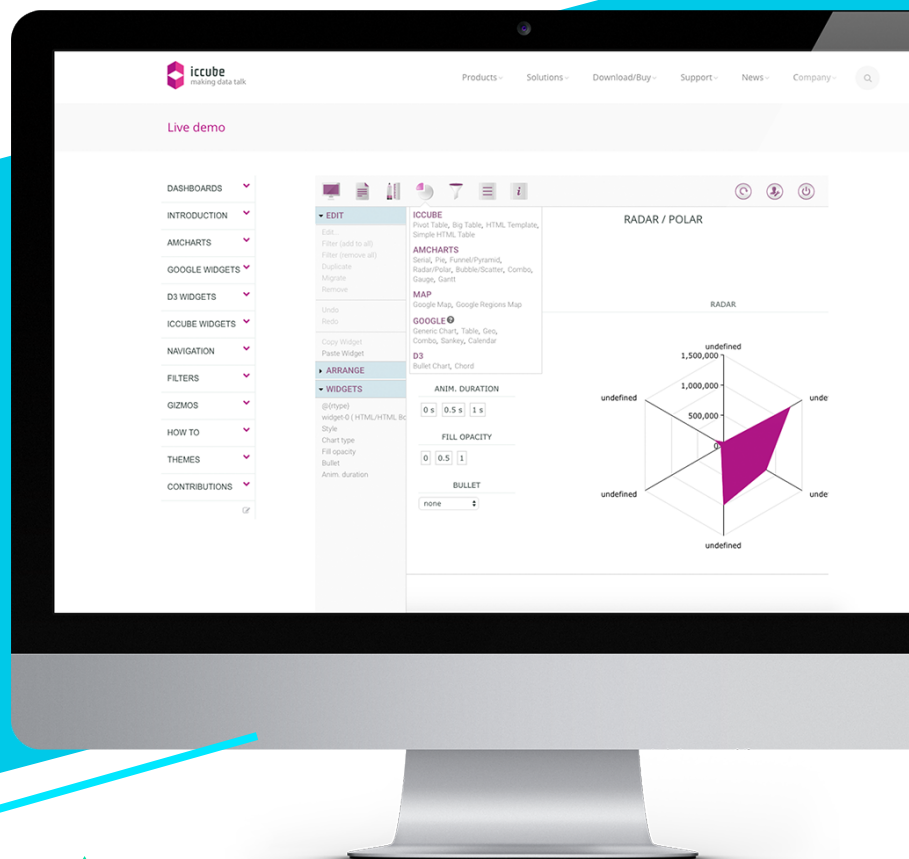
GOOGLE
VIZUALIZATION



iccube
making data talk

OUR CLIENT

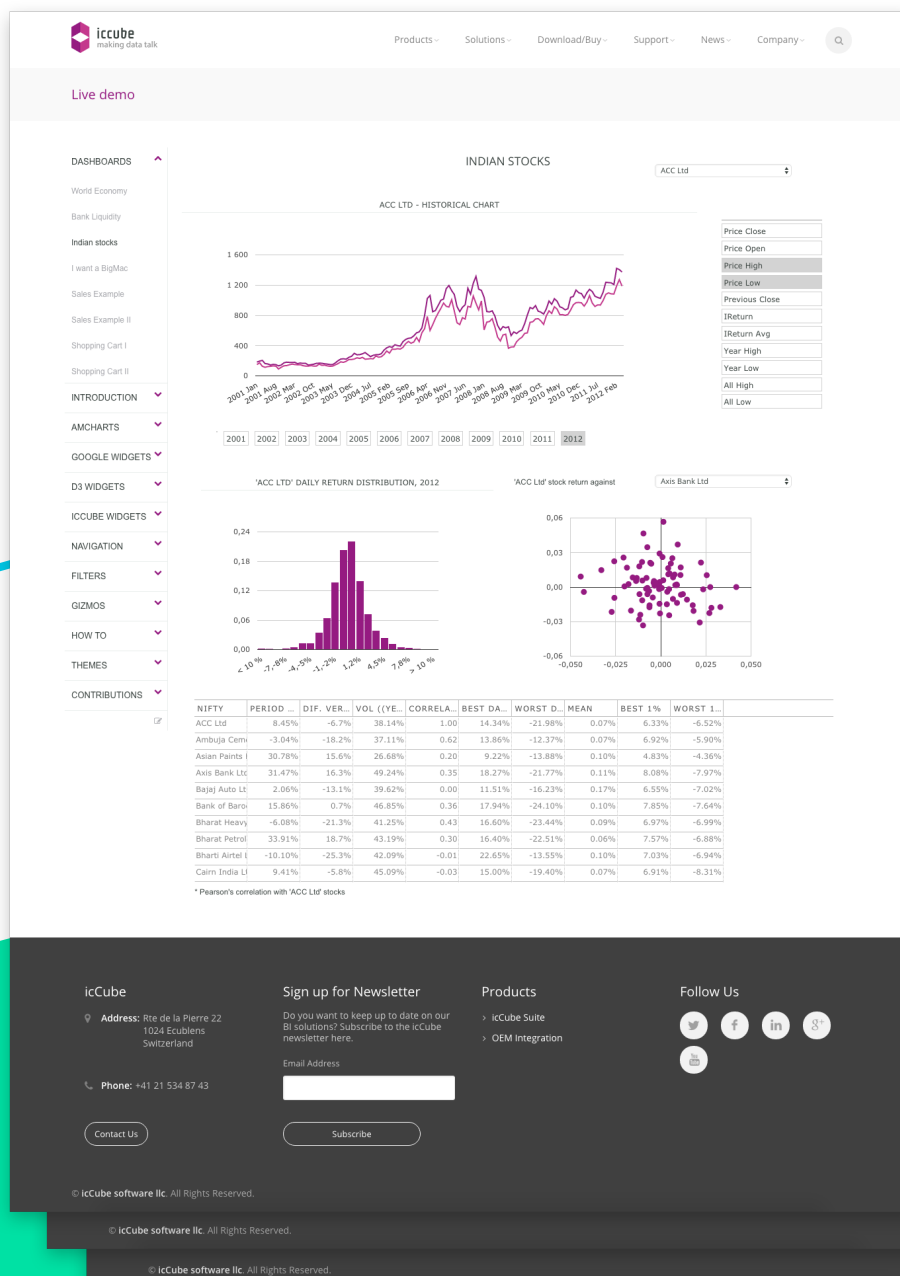
icCube is a young Swiss company that's already among the TOP-10 online analytical processing companies in the world. It's flexible and highly customer focused, providing high-quality data solutions for a number of industries. One of icCube's services is the report building environment that comes with all the needed features to create the perfect look with the relevant content. Powerful tools provide necessary calculations and accurate big data analysis with predictive modeling possibilities.





BUSINESS ISSUES

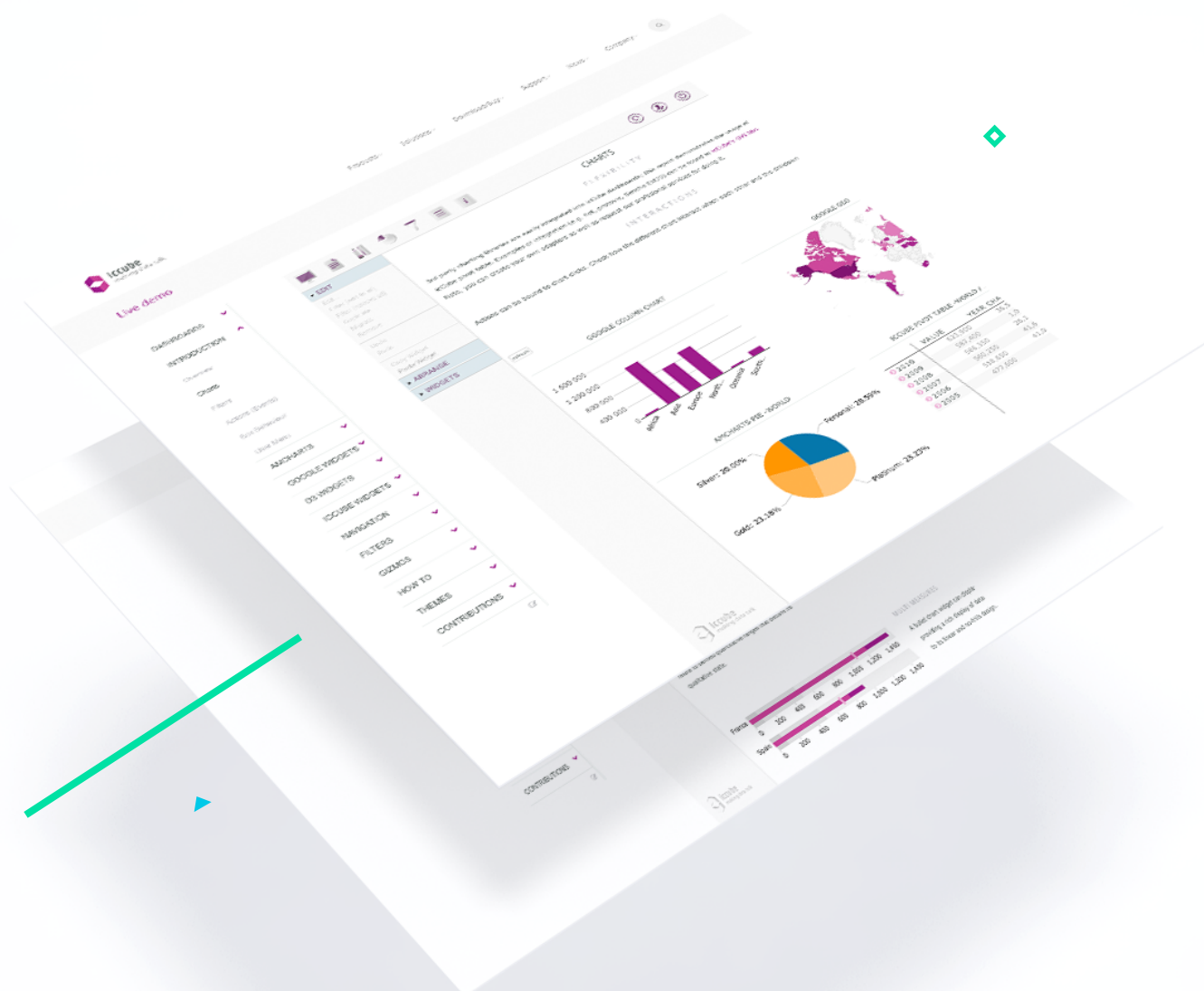
- ▶ The main challenges of this project included a drastic remodeling of an existing architecture and creating highly functional yet user-friendly interface. We had to develop simple yet elegant report creating and displaying mode that will allow users without programming background to form detailed reports based on previously accumulated data.
- ▶ Reports are supposed to provide descriptive information based on N-dimensional data matrix using aggregation, analysis and other computational tools while keeping minimal processing time to get operational analytics in real-time and allowing flexible design





SOLUTIONS

- ▶ Using Lodash library our team streamlined report's creating process and cut its development time. The ease of visualization was attained due to JQuery and ReactJS implementation along with AmCharts and Google Charts utilization for creating various charts and graphs. JQueryUI technology helped develop user interface dialogs. A number of filters, switches make the new UI easy to use. Highly customizable reports can be created using multiple plug-ins for additional widgets.
- ▶ Following modern trends our team implemented mobile devices support that allows reports' creating and editing using tablets and phablets. Expecting the increase in user numbers we also provided possibilities for project's future scaling up.



BUSINESS VALUE

Our solution allowed icCube to drastically cut project support expenses due to the implemented architecture simplification. The new user-friendly GUI development and an added bonus of mobile devices support increased sales and project's overall revenue.