

GENOMIC DASHBOARD FOR TARGETED CANCER THERAPY



THE CLIENT

The customer is considered to be the founder of Bio-Tech industry and a multi-billion dollar company with 11,000+ employees. They are the 2nd most innovative Bio-Tech companies in the world.



BUSINESS NEED

The customer wanted to build an integrated reporting and analysis portal to understand mutations happening in a gene sequence by analysing huge genomic data sets in real time.



TECHNOLOGY USED

Tools/Technology: J2EE, Spring, JSP, JSTL, Servlets, Dom4j, Oracle 10g, Flex 4.5, JavaScript, XHTML, CSS, JBoss4



BUSINESS BENEFITS

- Enabled customer to understand various mutation combinations through rigorous research and combating deadly diseases
- Provide better care at reduced cost and improving the lives of the people through safe and effective drugs



SOLUTION DELIVERED

AL TEN Calsoft Labs developed a web based interactive mutation viewer with deep genetic sequencing used in inventing cancer therapy drugs.

Some of the dashboard features are:

- High performance, intuitive visualization dashboard solution for exploration of large genomic data sets
- Mutation data represented in a more meaningful and graphical form
- Visualize genomes with annotated data including gene prediction and structure, proteins, expression, regulation, variation comparative analysis etc,
- Cloud/Mobile enabled delivery of genome analysis portal to support high performance, usability and scalability

ABOUT AL TEN CALSOFT LABS

AL TEN Calsoft Labs is a next gen digital transformation, enterprise IT and product engineering services provider. The company enables clients innovate, integrate, and transform their business by leveraging disruptive technologies like mobility, big data, analytics, cloud, IoT and software-defined networking (SDN/NFV). AL TEN Calsoft Labs provides concept to market offerings for industry verticals like education, healthcare, networking & telecom, hi-tech, ISV and retail. Headquartered in Bangalore, India, the company has offices in US, Europe and Singapore. AL TEN Calsoft Labs is a part of AL TEN group, a leader in technology consulting and engineering services.

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