Case Study

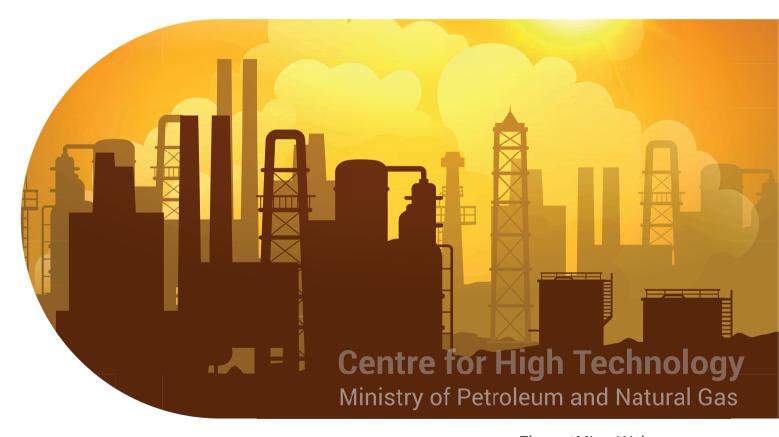## Public Website and Events Management Portal Development for Centre for High Technology, Government of India

Elegant MicroWeb
Delivering the Value of Technology

Centre for High Technology
Ministry of Petroleum and Natural Gas

Case Study

Public Website and Events Management Portal Development
for Centre for High Technology, Government of India

The Client

The Centre for High Technology (CHT) is funded by the Oil Industry Board in India and is part of the Ministry of Petroleum and Natural Gas. It was established in 1987 to anticipate future requirements, and acquire, develop and adopt technologies to advance refinery processes, petroleum products and other related areas.

The Objective

The Client wished to improve public access and information distribution and to enhance internal team processes. The project objectives included three components. First, to enhance and strengthen its online presence and public website, making it more user-friendly and improving the efficiency of its processes so its team members can easily publish news, press releases, media coverage, and publications for public access. Secondly, the Client wished to create a platform for topic discussions among users. The third component of the Client objectives was the need for a Refinery Technology Events Management (RTM) assist event attendees with event registration, transportation and accommodations for events, to support submission of critical information by experts and to capture and process internal approval workflows. All project output would require testing and auditing to ensure government regulations for

data and user security in compliance with the India CERT-IN standards.

The Solution

The Elegant MicroWeb team worked closely with the Client team to define requirements and to design, develop and implement solutions for a seamless roll-out of new features and functionality.

The Elegant MicroWeb team coordinated project approach included:
- Involvement and coordination with stakeholders for detailed requirements and release planning
- Coordination with key product team members to plan for testing
- Involvement with Client team to plan for internal and production releases
- Network, hardware, and technology compatibility and performance
- Definition and implementation of quality and support processes to accommodate upgrades and ongoing maintenance
- Development and deployment of an appropriate training program for users

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The scope of this project included:

- Content Management System (CMS) driven public website development
- Discussion Forum Development
- Portal Development for events management and internal information publishing and approval workflow
- Support & Maintenance
- Training

The Technology

- Front-end: Cake PHP
- Database: MongoDB

Elegant MicroWeb Role

The Elegant MicroWeb team provided support, knowledge and skill in the following areas and activities:

- Requirements understanding and roadmap planning in close consultation with all stakeholders
- Technical feasibility
- Graphics, layout and user experience design
- Architecture, development, maintenance and support
- Continuous enhancement, upgrade and roll out

- Implementation, integration and support with Cert-IN Compliance and Cert-IN Certification
- SSL implementation and deployment on NIC servers
- Testing and auditing for India CERT-IN compliance standards
- Training and support to business users

Conclusion

Elegant MicroWeb worked with the Centre for High Technology (CHT) team to satisfy all objectives including the redesign of its public website using responsive layouts and user-friendly menus and navigation, the design and development of a Discussion Forum to be used by internal team members, a portal for the Refinery Technology Events Management (RTM) including attendee registration, the approval and publishing of expert abstracts, biographies and papers, as well as tasks related to events and approval workflows for internal team members. All project output included testing and auditing to ensure government regulations for data and user security in compliance with the India CERT-IN standards. The project components were delivered on time and on budget to meet all Client expectations.

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Contact Us

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