

# Case Study

## MIS of Department of Mines & Geology



The Mines & Geology Department, Govt. of Jharkhand had decided to develop a web based application software solution to setup state of art Management Information System to facilitate scientific, systematic, planned and better management of its various offices.

### Client Situation

The state has vast minerals resources ranging from uranium to copper, Mica to Clays and all the minor minerals used in construction processes. It has been decided to systematically regulate and administer the mines and minerals, granting mineral concessions, collecting revenues through minerals, development of mines, monitor the mineral activities, ensure mineral conservation and scientific mine closure plan etc. to ensure achievement of the objectives of the Mines & Geology Department.

### The Challenge

Main challenge of the system should incorporate functionalities as mentioned below –

- To automate the various functions of existing system
- To develop a centralized database of all the records for whole state
- To provide a better communication channel among different offices of the department and headquarter
- Helping Department to achieve its revenue target
- To increase the work efficiency
- To provide a tool for making prompt management decisions

### Client Impact

The impact on the client side was significant improving the efficient administration, regulation of various departmental activities and improving working efficiency. Lotus Comm helped the client to have

- Multiple level of monitoring control
- Automatic and systematic demand generation
- Analysis features to take efficient management decision
- Monitoring over various departmental functions

### Solution by Lotus

The proposal for the web enabled software is to improve the functionality of the present system by incorporating web capability and to provide a centralized approach for all major operations without compromising with the security issues involved there in. As because the system is built according to the three tier architecture the system is flexible enough and can accept any changes, that can be made in future by the client.

A thorough modular approach has been taken such as

- Lease - management and monitoring of lease details
- Production & Dispatch
- Applications
- Expenditure
- Revenue & Collection
- Certificate Cases
- Messaging, Task monitoring, Circulars & Acts

Technology adopted to provide a better solution

To provide seamless approach for implementation of the project, it was found to incorporate ASP for the development of user interfaces. As per great volume of data it was decided to have Ms-Access as backend database.

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## Approach & Program management

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### Transition & Implementation

The approach mainly delivery model to ensure a seamless transition of process without any disruption to the existing operations. Incremental process were added only after baseline metrix had been approved. Lotus comm's people worked closely with the client to ensure strong security and confidentiality across the process. This was complemented through recruitment of highly skilled & qualified staff. All project target dates were met on time or ahead of time.

### Performance Management

- The overall system study and process analysis has been carried out thoroughly by a joint team.
- Departments have been visited by the team for user interactions and understanding of the various existing dissimilarities.
- Data such as file format details letter formats, and data kept in various registers and their structure etc. has been collected for reference during the software design.
- For the purpose of reference the existing automated system has been studied thoroughly.
- The team analyzed the data for customer satisfaction, quality assurance and performance.

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## About Lotus

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We are the principle based organization providing IT and related services and solutions. Our objective is to see the systems successfully implemented by us in fully working conditions forever. Every use of our system by the end user is the one step of our success. Our pleasure is in the clients satisfaction and his admiration for us. We work outwardly keeping the main objective of the IT in our minds that is to facilitate the existing processes with mechanized and automatic systems very near to the human nature.

Inside the company, we are the living presence of above mentioned personalities. We believe on the strict professionalism to keep the standards of our services above the prevailing standards. Technically our approach is to invent and derive the tools and resources for fast, automated and efficient way of work- this is the key factor of timely completion of our projects

For us in business, commitment and customer expectation are the prime factors- by which our whole business is directed. Above the financial interests, relationships and customer affordability effect us considerably. In conclusion, even after the accelerated business growth and great reputation among our business area, we are down to earth craftsmen waiving the network of advance digital technology.

<p><b>A</b>t Lotus, Whatever we do is the outcome of collective professional practices of intelligent, dedicated, morally high people who don't only work for their livelihood but also to contribute to innovated approaches.</p>	<p><b>Advantages</b></p> <p>Challenging and innovative projects, customer relationship are <b>above the financial interests</b> for us.</p> <p><b>Delivery of the top standards and customer satisfaction</b> is only objective of our whole effort.</p> <p><b>Cost effectiveness</b> due to the optimized and defined business processes</p>	<p><b>Expertise</b></p> <ul style="list-style-type: none"><li>▪ ASP.NET 3.5</li><li>▪ ASP.NET 2.0</li><li>▪ AJAX</li><li>▪ ASP 3.0</li><li>▪ PHP</li></ul>
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