

“The success of our equipment form application clearly demonstrates the power of BST Global’s service-oriented architecture for solving business problems outside the normal bounds of the core BST Enterprise.”

MIKE MORLEY
ENTERPRISE ARCHITECT
MATRIX SOLUTIONS

MATRIX SOLUTIONS, INC.



Industry:

Environmental and
Engineering Consulting

Geography:

Headquartered in
Calgary, Alberta, Canada

8 offices across western and
northern Canada

Employees:

300

Challenge

Rapid growth at Matrix created a situation where the manual paper-based method of tracking equipment and its associated billings became unmanageable due to the high volume of 80 to 100 requests per month that were generating charges to some 650 individual projects, with upwards of 1,500 manual unit pricing entries per month into BST Enterprise™.

Most noticeably, even though Matrix had more than doubled in size, the revenue being generated by the equipment department had not increased at a similar rate as expected.

In addition, the time-consuming paper requests were leading to frustration on both the part of the equipment team and those using the equipment. Tracking the resulting charges was difficult and inconsistent as the charge details would come into the equipment team in a variety of ways (e.g., phone, email, paper etc.) leading to many cases where charges were being missed, or assigned to incorrect project work breakdown structures.

Data entry errors and difficulty with the manual process also increased the workload of project managers reviewing and approving equipment charges on their invoices.

Solution

Leveraging the Matrix service oriented architecture (SOA) framework previously co-developed with BST Global, Matrix implemented a customized Equipment Management system to automate equipment processing from booking and tracking through to billing.

Using the BST Freedom Framework™ and BST Freedom Exchange™ the system is integrated in real-time with BST Enterprise to provide users with listings of equipment, units, rates, and projects and enables equipment managers to submit billable charges directly to BST Enterprise through unit pricing.

The systems uses Windows SharePoint Services and Microsoft InfoPath to provide a centralized, secure portal with automated workflow and email alerts for users to enter,



manage, and monitor equipment allocation, status, and use.

Results

Using BST Enterprise to streamline Matrix's equipment processes has delivered the following results:

- Maximized cost recovery to the point where equipment billings have been brought in line with Matrix growth
- Condensed the invoice/payment turnaround times from the following month to as early as the next period
- Reduced the time to enter and process equipment billing by 40 hours per month
- Eliminated data entry errors and reduced the number of billing corrections on invoices

ABOUT MATRIX SOLUTIONS

With roots dating back to 1984, Matrix is a 100% Canadian owned, Alberta-based environmental and engineering consulting company. Matrix has become a recognized leader in environmental and social impact assessments and audits; soils and groundwater investigations, monitoring and remediation; site assessments and reclamation; hydrology; and environmental management and planning. Its domestic and international client base includes all levels of government; regulatory bodies; the upstream and downstream oil and gas industry; and clients with mining, power, forestry, agriculture, manufacturing, and commercial developments and operations.



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