



" Excellence Delivered Through
DiaSoft™ Manufacturing ERP Solution"



“DiaSoft™ ERP Implementation at Blue Star—Arjav Diamond Group”

Blue Star (BS) is one of the biggest companies in the diamond industry with its manufacturing units at Surat and sales and marketing office at Mumbai. BS sources its rough diamonds from mines across the globe and has well equipped manufacturing units with the latest machines and over 2000 skilled artisans to deliver the best value.

Business Challenge

With more than 4 decades of existence in the diamond industry, the criticality of business processes at BS increased which in turn demanded effective systems and appropriate manpower to fully comply with these processes. This is where the senior management realized the need of a highly integrated end to end software solution catering to all functional departments at BS.

The main drivers for the implementation of DiaSoft™, an ERP solution by Lemon Technologies for the diamond industry, were to have integration across all the business areas which would lead the senior management to control and monitor everything from anywhere in the world and also to make the customers believe that BS achieves top quality, production flexibility and long range scheduling and forecasting capacity.

Journey of Success

Lemon Technologies Pvt. Ltd. (LTPL), based on its expertise in the gem and jewelry industry, developed high-tech integrated software, with the following unique features, to address the business challenges of BS.

- **Stock Auto Issue** – Minimum and maximum amount of stock that should be available with each worker at any point of time was defined. Based on these pre defined values, the system always checks the stock available with each worker at each time and accordingly automatically issues packets to the worker. This feature totally eliminated human intervention for issuing stock to workers at BS.
- **Suggestive Demand Fulfillment Method** – Whenever an order gets placed by a customer, the system checks the ready polish inventory on hand and automatically locks the appropriate inventory against the order. This system helped BS to eliminate human intervention to check the fulfillment of the order as the logic for demand fulfillment was already configured in the system.
- **Alternate Judgment System** – As the single stone planner sends the stone to the checker for an alternate opinion or judgment and for actual validation of the stone, the checker either approves the plan completely or returns it back to the planner with his opinion about the plan. The planner then defends himself based on the checker’s opinion or judgment. If they do not come to a mutual consensus, a 3rd party opinion is

taken and subsequently a 4th party opinion is taken. Based on this the winning parties are given incentives automatically by the system after the final judgment.

Even though much of DiaSoft™ success has been in facilitating operational coordination across functional departments, successful implementation of DiaSoft™ ERP system has benefited BS in strategic planning and management control one way or other. The implementation of this system helped BS significantly improve their business metrics by process optimization, improving the entire supply chain process, better inventory control, better reporting to take decisions, integration across functionalities and increasing transparency across the company.

DiaSoft™ implementation was done to control, monitor and integrate the production facility. This allowed the group's senior management to monitor and control the entire company from around the world, covering everything from planning to manufacturing to payrolls.

Success Value Delivered

- Powerful end-to-end value-chain solution to manage key infrastructure and support BS’s manufacturing and business needs.
- Auto issue-return of stones based on stone complexity, employee performance and limit of no. of stones to be issued or received implemented successfully.
- Fully automatic demand fulfillment method with absolutely no human intervention.
- Value optimization by avoiding human errors.
- Performance based incentive system implemented.

About Lemon Technologies

Lemon Technologies is an ISO 9001:2008 certified software development company pioneering in database applications, especially, cutting edge technology solutions for the Gem & Jewelry industry.

Lemon has been formed with the vision to offer innovative and creative software solutions for the beneficiation of our customers worldwide such that our solutions enable them to transform the way in which they do business.