

# Precise ERP driven control on the manufacturing processes for Monbat

“ At Monbat we are committed to excellence. When it comes to monitoring and control of our manufacturing processes, we leverage the use of IT technology to create an efficient and effective control environment. ”

*Viktor Spiriev, Group Chief Financial Controller, Monbat Group*

Monbat Group of Companies is a leading European manufacturer of lead-acid batteries for various applications. The group consists of the following companies: Monbat AD, Start AD, Monbat Recycling EAD, Monbat Recycling SRL, Monbat Indjia Serbia doo, YU Monbat Yagodina Serbia, Monbat Romania SA and Octa Light Bulgaria.

In 2000 the company built its first installation for recycling of used lead-acid batteries. During the last 10 years the Group proved to be also a leading-producer of lead and lead alloys through its subsidiary Monbat Recycling EAD.

In June 2010, Monbat has launched its own recycling facility in Romania, Ilfov District. The company Monbat Recycling represents a green-field investment worth 13 million Euro of the Group MONBAT in Romania, built with the latest equipment and machinery from Italy and France.



Monbat Recycling in partnership with Balkan Services made a full scale implementation of Atlantis ERP, which covers all activities of the factories in Bulgaria and Romania and includes the following related ERP modules: Finance, Sales, Procurement, Warehouse, Manufacturing, Fixed Assets, Accounting and Services. The solution is equipped with a number of detailed operational reports.

Atlantis ERP allows for structuring and categorization of the inventory by warehouses, manufacturing activities, and to closely track semi-products and product finished by batches. All delivery processes are fully automated and all measurements performed on the entrance and the exit of the factories are monitored in the system.

All technological processes are set in the system and are closely monitored and controlled. The production cost and the cost of the raw materials is now automatically calculated and the detailed reporting and monitoring of the used raw material and the products manufactured is now done easily through Atlantis ERP. The identified production cost is compared with the prices at the London-Metal Exchange.

On every stage of the manufacturing processes, samples are taken and sent to the factory labs and the whole process is integrated into the system. All results and values are closely followed there. The system guarantees, that samples are taken from all delivered lead containing materials and does not allow raw material that does not answer specific requirements to enter the manufacturing process.

In addition to the standard sales and procurement functionality, the solution allows for planning of the procurement and sales activities and description of the related logistic processes. E-mails are automatically generated and sent to every supplier, including information on the real measured weight of every delivery.

Specific functionality was developed, that allows for automated tracking of the personal safety equipment and the spare parts for every department.

## SOLUTION OVERVIEW

### Company

Monbat Recycling Bulgaria and Romania

### Industry

Manufacturing, Recycling.

### Activities

Recycling of lead and lead alloys.

### Coverage

Bulgaria and Romania

### Users

In Bulgaria and Romania: Chief Accountants, Manufacturing Managers, Technical Directors, Logistic Departments, Plant Managers, Accountants, Shift Managers, Measurement Departments, and Laboratories.

### Issues to be solved

A systematic and manageable process for the planning of the deliveries and sales was not available. The plants were not able to report the production by batches and follow their realization by customer. No integration and automated input of data from the measurement units was possible with the accounting system used before Atlantis ERP.

### Challenges for the Company

Prepare the IT infrastructure – hardware, servers, PC, Laptops; Assign a project manager and an ERP Administrator; Atlantis ERP training of all users. Adapt the manufacturing processes in Romania according to the requirements of the Bulgarian head office. Analyze and define all related internal processes and the tasks of every single user.

### Benefits

A single and unified database containing all company data. A single point of truth for all company operations. The solution covers all aspects of the manufacturing and recycling business. Optimized internal processes with minimum possibility for human mistakes. Atlantis ERP allows for complete and automated tracking of all samples taken during the manufacturing process by day and shift.

