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Elis Pavaje invests in its third factory in Romania

Paving slab producer Elis Pavaje began its activities in 1991 as a small family-owned business running two factories in Stoenesti, Prahova County and in Petresti, Alba County, with a sum total of around 420 employees. The company has recently completed the construction of a production facility in Secuienii Noi, Neamt County in north-eastern Romania and expects to start full operations of this new location in May 2018. The project and its corresponding investment aim at meeting the growing demand for precast and at optimizing logistics cost in Romania's historical eastern region of Moldova.

Supreme technical solution & layout

During the evaluation of the new investment, Elis Pavaje's management, thanks to decades of experience in the production of blocks and pavers, analyzed some European machine and equipment suppliers and decided to proceed with MCT Italy in close collaboration with a local partner that goes by the name of Atillas Utilaje.

After numerous visits of MCT Italy representatives to Elis Pavaje's production facilities, the technical department of MCT Italy succeeded in developing and proposing a fully customized solution which impressed the customer in terms of speed, redundancy and precision in dosing the components. A team of MCT key officials was appointed to work on the project in order to develop a genuine partnership with the customer and to master the complete process of pre-installation, erection, and commissioning.
One of the most important aspects for Elis Pavaje was the complete pre-installation of the entire plant and its equipment which was carried out at MCT Italy's headquarters and where the customer's technical team subsequently performed dry testing runs to acquaint itself with the new installation.

Solid plant and equipment for most accurate dosing

Starting with the installation's primary receiving hopper, the system's automatic aggregate loading system was thoroughly

Overview of the Elis Pavaje factory

MCT Italy's aggregate conveyor belt featuring self-cleaning system

studied to determine whether any kind of contamination among the different coloured aggregates to be used during production processes is avoided.

The conveyor belts equipped with electrical scrapers only actuate when coloured materials are loaded. Furthermore, every conveyor includes an automatic washing system which warrants a perfectly clean operating environment.

The batching plant, carefully developed by Elis Pavaje's engineers for every production step, boasts an aggregate storage capacity that is truly breathtaking:

- 1,200 cubic meters (1,900 tons) total aggregate storage;
- 660 cubic meters subdivided into 9 compartments for base mixes (grey concrete);
- 540 cubic meters for face mixes (coloured concrete);
- 2 mobile hoppers to contain and store special aggregates up to 2 cubic meters;

The two mobile hoppers, easy to manage thanks to a plug & play, fork-flit, and detachable system, give the customer the possibility to use special aggregates coming in paper bags or big bags. Two aggregate scales can feed the two mixers of the system very rapidly:

- One planetary mixer for base mix (grey concrete), type MAV 3000\2000, 2 m^3 compacted concrete;
- One Eirich intensive mixer for face mix (coloured concrete), type RV12, capacity 400 liters

The investment needed for the installation is fully justified on account of the supreme quality that the mixer guarantees in terms of the constantly achieved homogeneity of the coloured concrete for producing the face mix. This will definitely strengthen Elis Pavaje's already excellent reputation in the Romanian market and allow for new product lines.

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Hot galvanized aggregate storage

MCT mixer floor

A four-wheel drive flying bucket running on inclined rails and two belts delivers the concrete to various block presses and pipe making units while ensuring that during delivery any segregation is reduced to a minimum.

The final integration of the whole batching plant into the customer's production building guarantees continuous production even in worst weather conditions that are well known during the harsh winters often prevailing in the Moldovan Region. This once again goes to show the high level of customization provided by MCT Italy's concrete plant solutions and the skills of the company's engineering team which has worked in perfect synergy with all other partners involved in this ambitious project.

State-of-the-art plant for future success

With this investment, Elis Pavaje's total production capacity will reach 15,000 square meters of paving slabs per day as compared to a current 9,000 square meters per day.

Compared to a turnover of € 34.6 million in 2017, Elis is expecting its 2018 turnover to increase by 14 %, an expectation that fully justifies this new investment, especially when considering the opportunity for new product developments and corresponding improved promotional opportunities.

"By observing the prevailing market dynamics, we concluded that the opening of new production facilities is a necessary step in our company development. We are constantly increasing our sales figures year after year by optimizing our production processes and by investing in existing production lines. However, it became clear to us that without ensuring additional production capacities by means of a new factory, our goals could not be fully achieved," the company's general manager, Mr. Vasile Gota, says. ■

FURTHER INFORMATION

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