

WHAT'S GOING ON IN...



Bringing Energy-Efficient Insulation to Georgia

One of the leading Georgian industrial construction companies – about to produce sandwich panels – directly experiences how this kind of process works and what it involves.

JSC PANEX is one of the leading industrial construction companies in Georgia: they operate mainly in design, construction, project management and equipment of industrial buildings and provide customers with all components of industrial construction, from designing up to building material and industrial floors. JSC provides also projects on a “Turn-Key” condition.

Innovation and efficiency needs have moved the company towards the choice of equipping itself with a sandwich panel production line. The project involves a relevant Georgian financial investment fund interested in the building and construction sector that has been growing very fast over the last years and has led to an increased demand in energy-efficient construction materials.



The **ce|de|pa** continuous production line: the roll forming section.

State-of-the-art machinery for polyurethane panel production

The line designed by Saip for JSC PANEX is going to produce wall and roof panels with PUR/PIR core – class B2/B3, with different densities, thickness of 150 mm max and length varying from 2.000 to 15.000 mm. The material tests were mainly conducted with Dow's VORACOR CM 830 polyurethane systems. The production speed can be as high as 15 meters /min.

The line is equipped with an electrical control system. The management and control is assigned to a number of interconnected PCs installed along the line. Remote assistance is provided as a standard.

Members of JSC's board have been invited to **ce|de|pa** where a 150 meters long production line is fully dedicated to any prototyping, testing and development activity, to accelerate the development of novel solutions for manufacturing polyurethane-made panels.

The JSC delegation could live observe how a real continuous production line works and experience the several opportunities and support offered by the **ce|de|pa panel development center**. All those factors can make a difference in the development of a sustainable and profitable business.

The following aspects in **ce|de|pa** were mainly appreciated by the audience:

- the high automation level of the line
- its flexibility, which enables the line to produce panels of different sizes, formats and performances

- products performance tests available
- the wide possibilities of trials and trainings available
- the support/assistance offered to the user

“**ce|de|pa** has been one of the decisive elements in the customer’s choice,” says Ing. Ronald Rast, Technical Director at Saip, who is in charge for the JSC Project. “As most of people know, to see a plant in operation is very important but often difficult. **ce|de|pa** offers this strategic chance along with other possibilities that make the choice of investing in new technologies safer and more profitable.”

Do you want to see a sandwich panel continuous production line in operation? Do you want to test new formulations ? Come to **ce|de|pa !**
More about **ce|de|pa** at : www.cedepa.org

About SAIP Equipment - SAIP is a polyurethane equipment designer and manufacturer, driven by innovation and quality. SAIP is committed to developing innovative solutions for its customers' sustainable business success and profitable growth. Established in 1978 and headquartered in Inverigo (Como, Italy) SAIP leverages a network of commercial branches and affiliated companies around the world. Over the years SAIP has developed various kinds of equipment: the CONTITECH, continuous production lines for sandwich panels; the DITECH, discontinuous production lines for sandwich panels; the REFTECH, complete foaming lines for the refrigeration industry; the PIPETECH, for pipe in pipe and pipe joint insulation; the SAIPTECH, customized and turnkey solutions for any technical application of polyurethane, epoxy and silicone resins. SAIP range includes also competitive and state-of-the-art FOAM DISPENSING MACHINES: high and low pressure dispensing machines, elastomers casting systems. SAIP provides its customers with the highest level of project-team specialization and with exclusive technical assistance focused on their needs, ensuring continuity in business relationships.
More information at: www.saipequipment.it

About Dow - Dow (NYSE: DOW) combines the power of science and technology to passionately innovate what is essential to human progress. The Company connects chemistry and innovation with the principles of sustainability to help address many of the world's most challenging problems such as the need for clean water, renewable energy generation and conservation, and increasing agricultural productivity. Dow's diversified industry-leading portfolio of specialty chemical, advanced materials, agrosiences and plastics businesses delivers a broad range of technology-based products and solutions to customers in approximately 160 countries and in high growth sectors such as electronics, water, energy, coatings and agriculture. In 2012, Dow had annual sales of approximately \$57 billion and employed approximately 54,000 people worldwide. The Company's more than 5,000 products are manufactured at 188 sites in 36 countries across the globe. References to "Dow" or the "Company" mean The Dow Chemical Company and its consolidated subsidiaries unless otherwise expressly noted.
More information at: www.dow.com