

## ***Seminar on pneumatic conveying***

On 16-17 November, J-Tec Material Handling organised a seminar on the subject of pneumatic conveying at its Kapellen, Belgium, head office and test plant. The well attended event proved to be a great success thanks to a good balance of theory, practice and networking opportunities. The company was able to draw on 40 years of experience to cover all aspects of pneumatic conveying, the principles of dense phase and dilute phase systems being fully explained. Advantages and disadvantages of each transport mode, the different process components that can be used and the criteria for deciding which conveying method to use were discussed. Further clarification was provided by case-studies, photographs and flow charts. A presentation was dedicated to a special variant of dense phase: dense phase transport with overflow. By means of controlled injection of air into the pipeline, this system offers a solution for conveying high-density products which have a tendency to block. ATEX regulations were also discussed.

The company's extensive test plant allowed for practical demonstrations of all theories and problems discussed, with the possibility of simulating and testing all types of transport up to pipe distances of 450m. The facility also allowed J-Tec to demonstrate its own industrial components including vacuum mixers, dosing valves, bag dump stations and FIBC dischargers. Founded in 1970, the company became part of the Katoen Natie Group in 1999, allowing it the resources to expand worldwide. It focuses mainly on food, (petro)chemical, plastics and pharmaceutical industries. [www.j-tec.com](http://www.j-tec.com)



***Delegates to the J-Tec seminar were explained the principles of pneumatic conveying and (right) shown practical demonstrations***