

creating a clear and innovative path to significant energy savings

The Dutch Product Board for the Margarine, Fats and Oils sector (MVO) announces its road map for achieving energy savings of up to 30%.

The Product Board for the Margarine, Fats and Oils sector (MVO) serves the common interests of all links in the production chain of oils and fats which carry out activities in the Netherlands. The Product Board MVO operates as a centre of knowledge. It screens and analyses important developments in society, science and markets and transmits these to companies in the MVO production and distribution chain. Such an approach may consist of protecting the sector's interests with the authorities, engaging in collective research, initiating common projects or setting up information activities.

Business challenges

Since 1993, the sector has participated in the Dutch Government's energy savings program, the MJA (Meerjarenspraak energie-efficiencyverbetering). The first two programs achieved an average efficiency improvement of 2% through good housekeeping, process efficiency-improvement and better insulation. In 2009 The sector committed to the third MJA (MJA3). In this the Dutch Government and Dutch business agreed to strive for a 30% energy reduction in 2020 compared with 2005.

Each time, an important tool for realization is the so-called pre-study and roadmap. This is realized under the governance of the sector, with the participation of companies in the sector, and financed from the AgentschapNL which is part of the Dutch Ministry of Economic Affairs, Agriculture and Innovation. It aims to create change in society when it comes to sustainability, innovation and international business among its main target groups - entrepreneurs, researchers and local governments.

In the course of this process Atos Consulting was asked to take over the process from another consultancy firm. Atos Consulting had previously carried out a number of feasibility studies for other sectors and had been recommended for this project. The pre-study was successfully finished and, together with the approach, was agreed by the Dutch Government. Approval was then given to move to the next step and to create the roadmap for energy efficiency. This assignment was also awarded to Atos Consulting.

Solutions

The Roadmap developed by Atos Consulting looked at identifying energy savings in 3 streams:

- ▶ Innovative separation-technologies;
- ▶ Optimal management of process installations;
- ▶ Bio-based economy (applications for the sector).



Creating a Clear and Innovative Path to Significant Energy Savings

As part of the project, Atos Consulting worked with a number of partners. For membrane and bio-based research Atos Consulting gave an assignment to the University of Wageningen. Atos Consulting developed new training material and a course for operators, "The energy conscious operator", together with the VAPRO (the Dutch authority in education for the process industry).

Atos Consulting provided support to all the streams and was responsible for collating and writing the final report. This was done within a timeframe of one year and then presented to the Government in March 2012. All the findings were accepted by the Ministry, AgentschapNL and the Board of the MVO. Finally a summary of the Roadmap was presented at a Bio-Based Economy conference in the Netherlands.

The benefits

Thanks to Atos Consulting's guidance and advice, the Roadmap and Action Plan was published in April 2012 and accepted by all stakeholders. The Roadmap details how the sector can greatly improve its energy efficiency by 2030 through internal process innovations such as energy-conscious processes, optimization of water consumption and the application of membranes. It also considers that energy efficiency can be further enhanced by the substitution of petrochemical feedstocks by natural oils and fats from the sector. The Roadmap suggests that the sector can make a major contribution to (inter) national sustainability goals by the substitution of petrochemical production by bio-based production.

A number of innovative technical solutions were highlighted. Here, as well as saving energy, there will be a key reduction in the overall carbon footprint of the industry and important cost savings as new energy-efficient products come into use. Training in ways of being more energy efficient was highlighted in the course.

The Dutch MVO industry has benefitted from being seen as a thought leader in this area as much of the training and ideas are applicable and transferable to other industries. They have been asked by central government to produce a reference book on the project.

About the MVO

The Product Board for the Margarine, Fats and Oils sector (MVO) serves the common interests of all links in the production chain of oils and fats which carry out activities in the Netherlands. The Product Board MVO operates as a centre of knowledge. It screens and analyses important developments in society, science and markets and transmits these to companies in the MVO production and distribution chain.

In doing so, the Product Board supports business conduct in the oils and fats industry and trade. The MVO informs companies about interesting developments in every main policy field and when developments concern more links in the production chain, MVO can, and often does, initiate a common approach. Such an approach may consist of protecting the sector's interests with the authorities, engaging in collective research, initiating common projects or setting up information activities. www.mvo.nl

About Atos

Atos is an international information technology services company with annual 2011 pro forma revenue of EUR 8.5 billion and 74,000 employees in 48 countries. Serving a global client base, it delivers hi-tech transactional services, consulting and technology services, systems integration and managed services.

Atos is focused on business technology that powers progress and helps organizations to create their firm of the future. It is the Worldwide Information Technology Partner for the Olympic and Paralympic Games and is quoted on the Paris Eurolist Market. Atos operates under the brands Atos, Atos Consulting & Technology Services, Atos Worldline and Atos Worldgrid. www.atos.net

"Having taken over the process to define ways of making significant energy savings at short notice, the team from Atos Consulting very quickly immersed itself into our industry, developing an excellent understanding of our issues and operating practices. And then, managing to keep to a strict timetable, they worked very closely and proactively with us to produce a valuable and forward looking solution which has been highly appreciated at all levels."

Frans Claassen

General Manager, Product Board Margarine, Fats and Oils (MVO)

For more information:

Atos
Papendorpseweg 93
3528 BJ UTRECHT
e-mail: marketing-nl@atos.net
nl.atos.net