



Case: **Hydnum Oy**



Jotta ajaminen olisi miellyttävämpää

Hydnum Oy

Hydnum Oy's business idea is to develop, produce and market sound-insulating floor mats to the commercial vehicle industry. The mats also serve as a high-quality element of interior decoration. Hydnum Oy produces interior floor mats tailored to meet the demanding needs of our customers and to fit the exact dimensions of a vehicle cabin. Product development is carried out in close co-operation with the customer. The materials used are rubber and polyurethane. Capacity is over 500,000 mats/year.

Increased production efficiency by using PES

PES made for Hydnum is an advanced Manufacturing Execution System (MES), developed by SW-Development. It has been tailored to meet the needs of Hydnum: efficient utilisation of production capacity combined with high service level demand. Hydnum's entire manufacturing and warehousing facilities have been modelled and linked to the PES system. Besides using PES for operative planning it is also possible to make strategic studies, for example effects of investing in extra machines can be studied with in-built dynamic simulation module. Furthermore the warehouse and production are followed by a real-time monitoring system, which is a module of the PES-system.

With the PES system, Hydnum has managed considerably raise the weekly floor matt production by more efficient resource utilisation. The time used in production planning has diminished remarkably. However, most importantly, with the PES tool it is possible to calculate real costs to any product at any time period chosen. PES enables control and management of variable costs in real-time! In the middle of a season the result of the company can be forecasted quickly and reliably and decide the actions that create highest profits.

According to the production manager Tero Lähetkangas at Hydnum: "PES provides us economical and quality related indicators with such of fineness that enables true result oriented management of our production system, while maintaining very high service level."

For more information:

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