

## Introduction

cards PLM Solutions, based in the Netherlands, is a *Preferred Tecnomatix Business Partner* of Siemens UGS PLM Software. Our focus is on the simulation technology of *Plant Simulation* (formerly known as eM-Plant). Our highly skilled consultants have more than 8 years of expertise in the modeling, analysis and optimization of all kinds of processes. We have provided our services in a variety of industries, such as manufacturing, warehousing, healthcare, airport logistics and more. cards PLM Solutions implements the Plant Simulation software and delivers on-site consultancy, customized trainings and help-desk support. The customer case below is a short overview of a Warehouse Logistics project that we have performed in the past.

## VOS Logistics

### Company overview



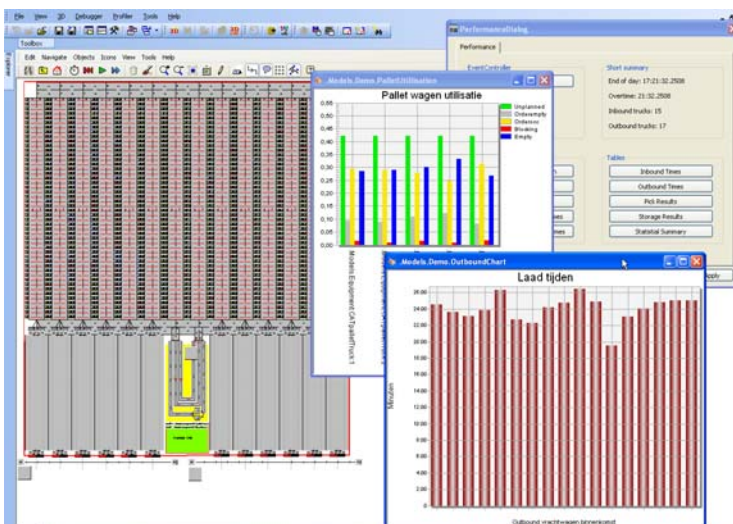
Vos Logistics was founded in 1944 as a transporter with just one truck and one scheduled service. Nowadays, the company is one of the largest logistic service providers in the Netherlands with over 3.000 trucks, 500.000 m<sup>2</sup> of warehousing and 250.000 m<sup>3</sup> of silo capacity. Vos Logistics is a strong partner, focusing on customer-specific applications.

### Business case

For one of its customers, Vos Logistics is responsible for the storage, handling and distribution of all manufactured goods of this customer. Because of internal reorganization of the customer, Vos and its customer, decided to decrease the number of storage locations dedicated to this customer. Unfortunately, this resulted in a decrease of other resource requirements (e.g. expedition area, docks, etc). Therefore Vos asked cards PLM Solutions to redesign Vos' warehouse operations. After a thorough analysis, a simulation model of the warehouse was developed and several alternative scenarios were studied. The simulation results supported a successful redesign of the warehouse operations.

### Benefits and results

- Decrease in the number of storage locations, which freed up enough space to fit in another customer.
- Increased performance and efficiency of daily operations.
- More insights into the performance and efficiency of daily operations.



## cards PLM Solutions

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