# The „**Beating NEMO**“ Challenge

## Summary

Ordering the right number of parts at the right time is **the key problem** of all manufacturing enterprises in today’s world. This problem got heightened by the current multi- and perma-crisis situation. Also our customers are suffering direly under too high inventory costs blocking more important initiatives such as sustainability.

This is why we are running a joint project with three of our marquee customers to predict the part consumption as accurate as possible.

We believe that the collective wisdom of you, our proALPHA developers, yields better results than what we, our customers and us, achieved so far.

Are you game?

## Details

You get access to the data of all parts movements for two years of a real customer.

And then you are off and running!

You are totally free in predicting the needed parts, part by part, for the next month.

We will help with sharing with you throughout the session some interim results already achieved with our customers.

And for assisting with business knowledge about the problem we will have four members of the NEMO customer co-development project on the ground as well.

## “Price”

And the price is … permanent access to NEMO as development environment for your daily work.

# Technical Information

## Basic Information

The NEMO results can be looked up with the report (STOOP) Stock Optimizer (to limit the amount of data please use scope “SKU Purchased Products”.  
  
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Automatisch generierte Beschreibung

The needed data fields are contained in the metric Part Consumption.

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Automatisch generierte Beschreibung

The needed fields are stemming from following ERP fields.

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Automatisch generierte Beschreibung

The initial reference part has the number 111776.

Its characteristics can be looked up by applying scope “PartId 111776”.

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Automatisch generierte Beschreibung

But the final result should be the prediction of all **2,415** purchased parts.

## Challenge Criteria

The criteria are:

* accuracy of proposed solution
* runtime of proposed solution