

HEUSINKVELD ENGINEERING

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Racing Teams & Manufacturers

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VEHICLE DYNAMICS - SIMULATION – SOFTWARE – HARDWARE

# INTRODUCTION

Affordable simulator software such as rFactor is thought to offer limited engineering value. With my software it is now possible to get professional results at an unbeatable price/performance ratio!

Improve the driver – engineer relationship while the driver experiences realistic handling, braking and steering efforts, in an environment as realistic as good lap simulation software.

Teams in GP2, GP3 and F3 have already seen the benefits. Now, the product is available to any professional looking for an edge in racing!

# THE PROCESS

The software is only available when your simulator meets my requirements. I will personally assess your hardware and advise if changes are needed.

I will engineer the virtual car using all available data from car manuals, wind tunnels and rig measurements.

You will receive a comprehensive spreadsheet where suspension setup, aero, gearing and more can be changed, using all the familiar part names and units. Then the simulator is started and 24/7 virtually free track time is available.

# HIGHLIGHTS

## Physics model

- 99% accurate downforce balance and drag maps
- Full suspension geometry, anti-roll, roll center etc.
- Up to 6 springs, dampers, bump rubbers
- Separate lateral and longitudinal tire behavior
- Load sensitivity, camber effects
- Loaded and rolling radius (ride height & gearing)
- Accurate pneumatic trail

## Hardware

- 15 Nm torque control loading system available
- CAN interface for steering wheel
- Accurate brake pedal force electronics

# PRICING

Costs depend on your situation. A fair estimate is:

Software engineering	€ 2900
On site, 4 days	€ 1600
Yearly software license	€ 1499
<b>Total First Year</b>	<b>€ 5999</b>
<b>Total Second Year</b>	<b>€ 1499</b>

Prices in euro excluding VAT, excluding expenses

After 3 years at 29 simulator hours a week, the cost per hour for the software is only € 1,99.

Interested? Contact information is printed on the back of this brochure.



## ALSO AVAILABLE:

Ideal for drivers and training centers: off the shelf car models for your simulator. Drastically improve car handling, driving style realism and telemetry accuracy, giving your simulator more value.

Car balance is easily adjusted with a user friendly spreadsheet and you can choose from 17 models including open wheelers, tin tops, GT and LMP cars.

Visit [www.h-engineering.nl](http://www.h-engineering.nl) for the brochure.

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