



Virtuelle Testfahrt mit Autodesk VRED

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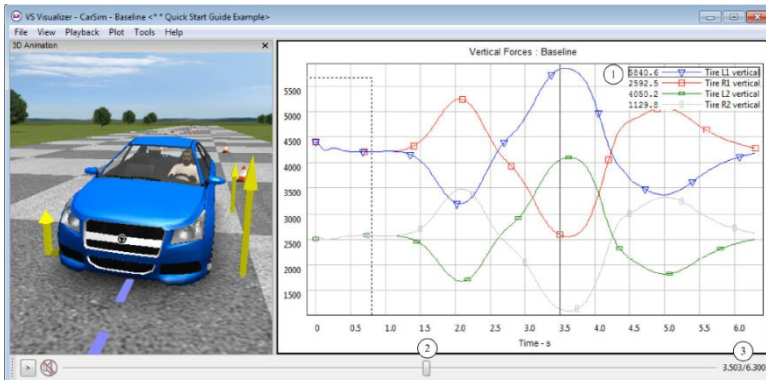
Key learning objectives

At the end of this class, you will be able to:

- Discuss Virtual Test Drives with Autodesk VRED



Virtuelle Testfahrt - Integration von CarSIM und Autodesk VRED



CarSIM Fahrdynamik Simulation

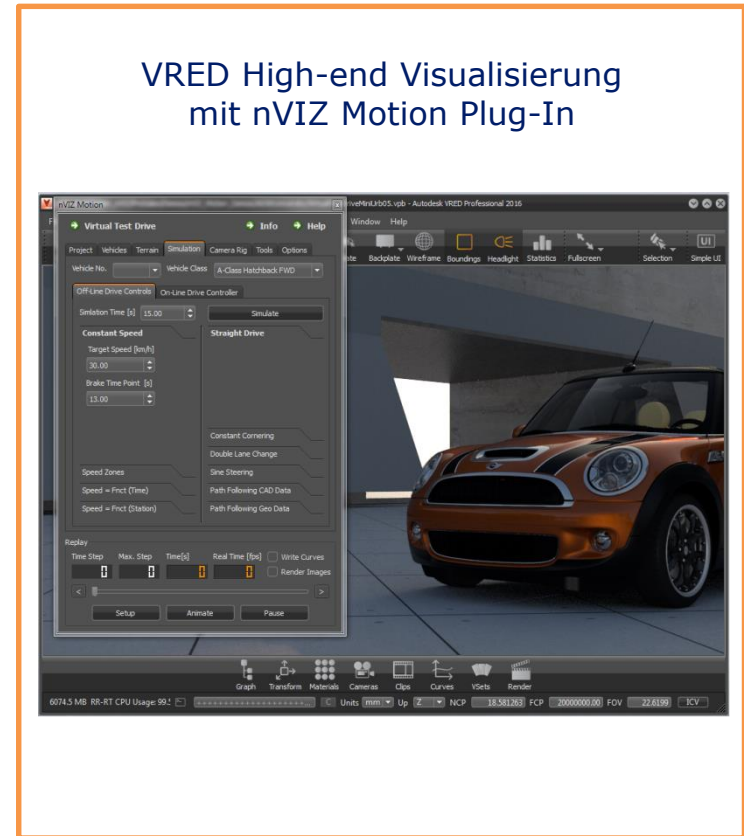
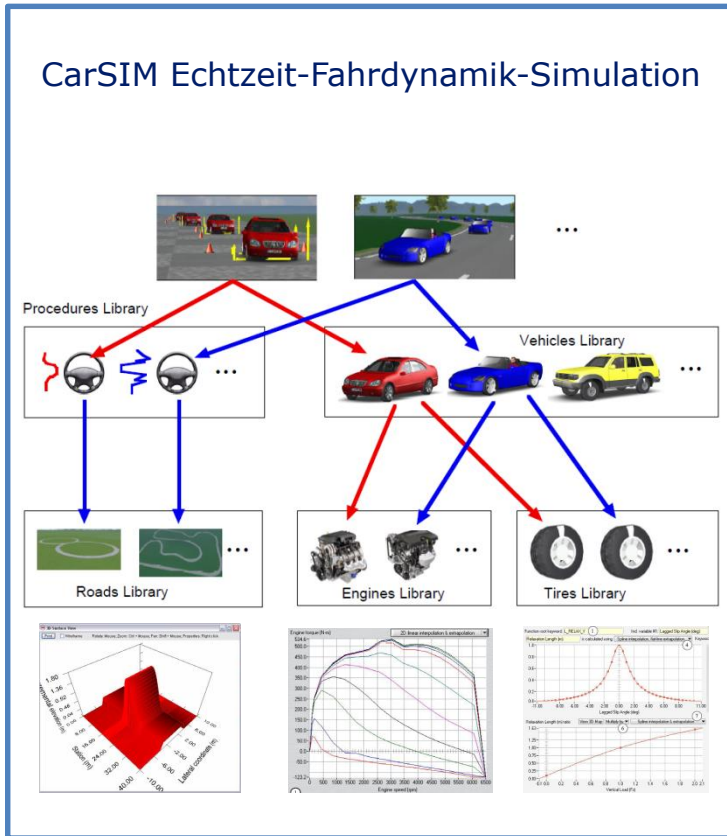


Autodesk VRED High-end Visualisierung



nVIZ Virtuelle Testfahrt

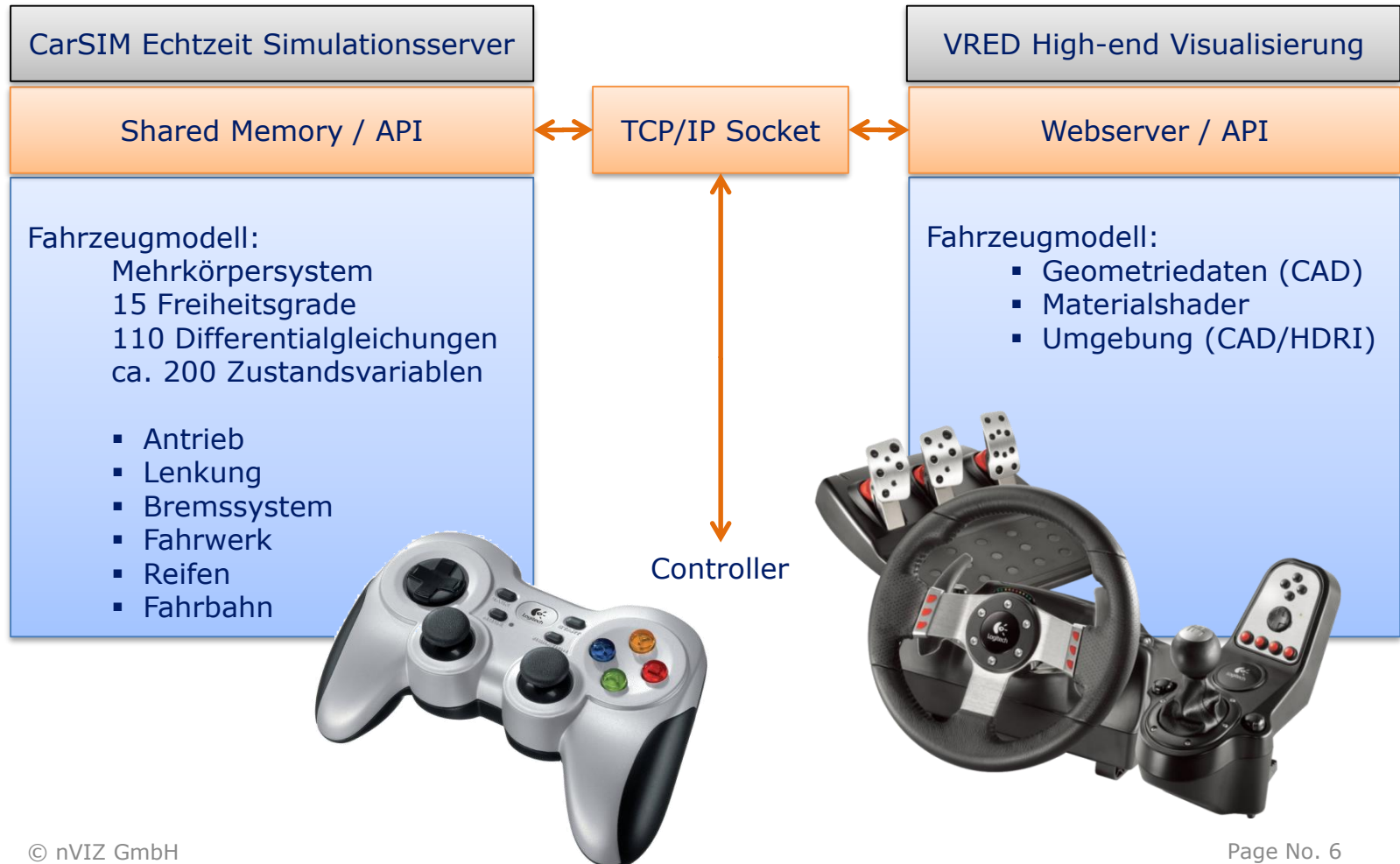
Virtuelle Testfahrt – nVIZ Motion Plug-In für Autodesk VRED



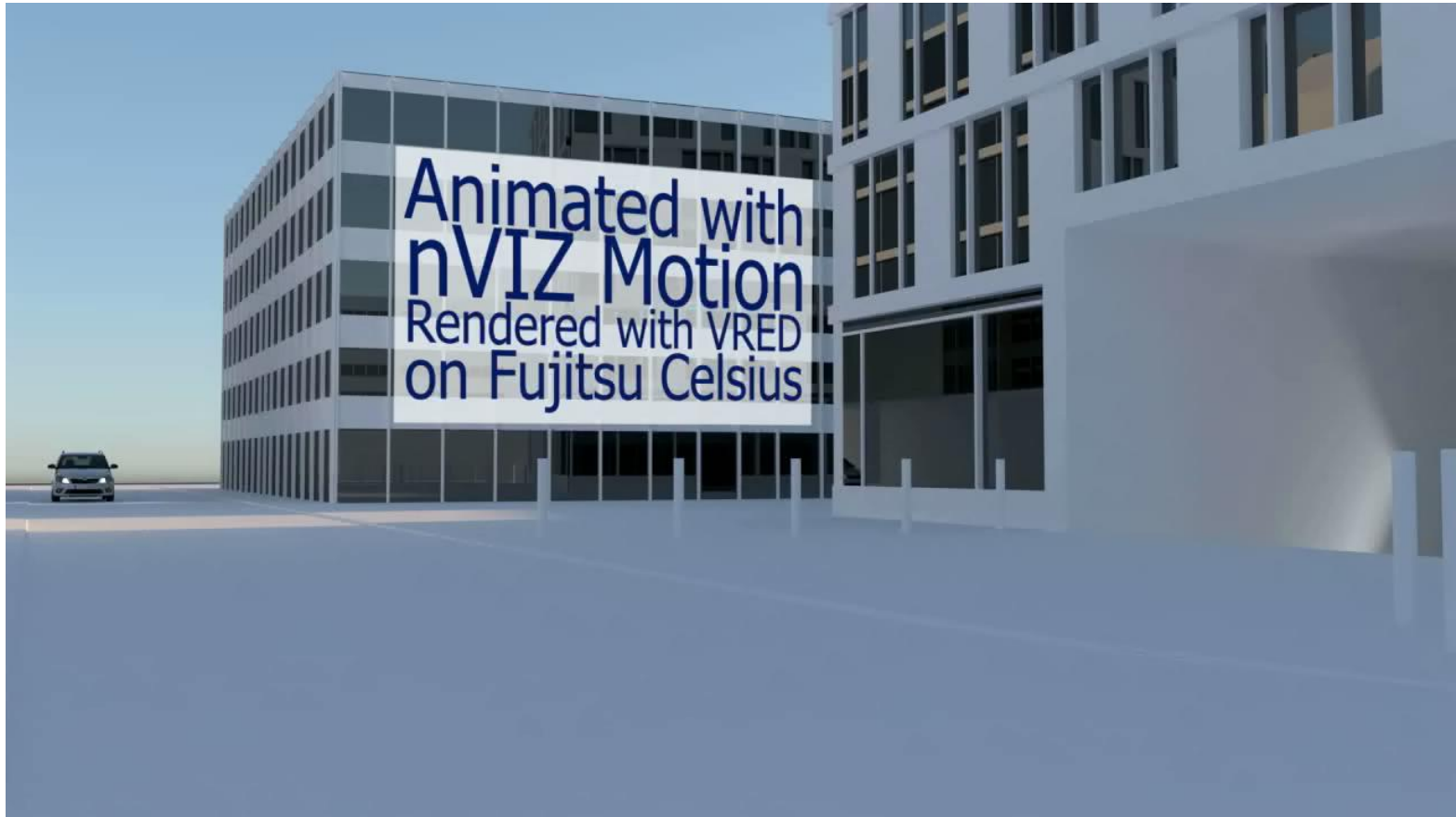
Virtuelle Testfahrt – nVIZ Motion Fahrzeugbibliothek

- Generic A-Class Hatchback e.g.: Citroen C1 / Fiat 500 / Honda Fit / Renault Twingo / Tata Nano.
- Generic B-Class Hatchback e.g.: Citroen C3 / Ford Fiesta / Opel Corsa / Volkswagen Polo.
- Generic B-Class Sports Car e.g.: Audi TT / BMW Z4 / Honda S2000 / Mazda MX-5 / Mercedes-Benz SLK.
- Generic C-Class Hatchback e.g.: Audi A3 / Chevrolet Cruze / Ford Focus / Opel Astra.
- Generic D-Class Sedan e.g.: Alfa Romeo 159 / Audi A4 / BMW 3 Series / Cadillac CTS / Lexus IS / Mercedes-Benz C-Class.
- Generic D-Class Minivan e.g.: Chrysler Town and Country / Honda Odyssey / Toyota Sienna.
- Generic E-Class Sedan e.g.: Audi A6 / BMW 5-Series / Cadillac XTS / Chrysler 300C / Lexus GS / Mercedes-Benz E-Class.
- Generic F-Class Sedan e.g.: Audi A8 / Bentley Continenta / Maserati Quattroporte / Mercedes Benz S-Class / Rolls-Royce Phantom / Toyota Crown.
- Generic GT Sports Car e.g.: Porsche
- Generic D-Class SUV e.g.: Ford Escape / Honda CR-V / Jeep Wrangler and Liberty / Toyota RAV4.
- Generic E-Class SUV e.g.: Chevrolet Equinox / Ford Explorer / Nissan Pathfinder / Toyota 4Runner.
- Generic Full-Size SUV e.g.: Audi Q7 / Chevrolet Tahoe / Ford Expedition / Nissan Armada / Toyota Sequoia.
- Generic Large European Van

Virtuelle Testfahrt - IT Konzept



Virtuelle Testfahrt – Anwendungsbeispiel Filmproduktion



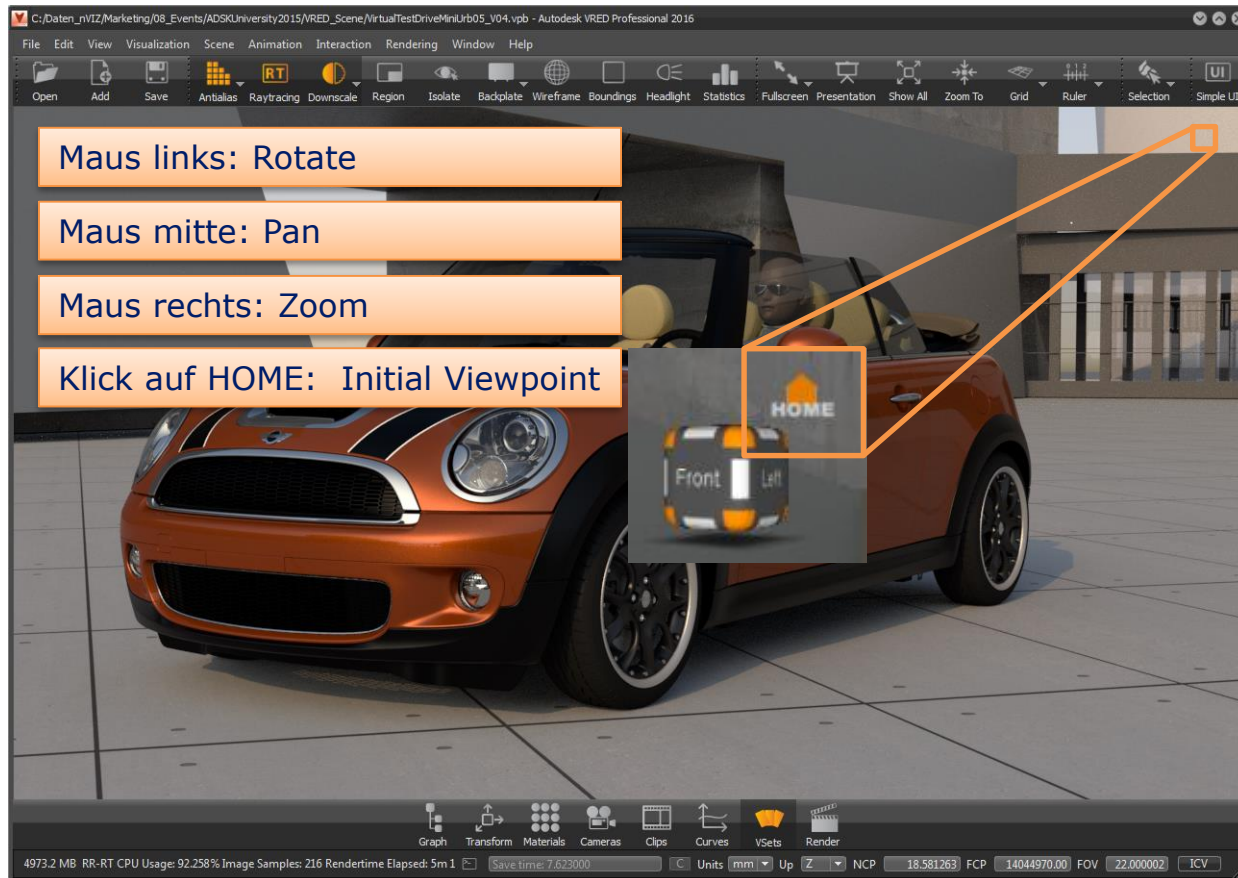
Virtuelle Testfahrt – Anwendungsbeispiel Immersive Erfahrung



Hands On Session



Hands On Session - Navigation



Hands-On Session – Render Settings



Hands-On Session – Interactive Mode / Still Frame Mode

Interactive Mode: während Navigation



Still Frame Mode: nach 1 Sek ohne Mausbewegung



Hands On Session – Virtual Test Drive

Variant Sets

- 01_Daytime
 - Daytime_Afternoon
 - Daytime_Evening
 - Daytime_Morning
 - Daytime_Noon
- 02_Viewpoints
 - View_Driver
 - View_Front_LH
 - View_Front_RH
 - View_Rear_LH
 - View_Rear_RH
- 03_Vehide_Settings
 - Vehide_Config_HotChocolate
 - Vehide_Config_RedRooster
 - Vehide_Lights_Off
 - Vehide_Lights_On
 - Vehide_Softtop_Close
 - Vehide_Softtop_Open
- 04_Testdrive
 - TestDrive_Pause
 - TestDrive_Reset
 - TestDrive_Start
- 05_Options
 - OGL_GroundShadow_Hide
 - OGL_GroundShadow_Show
 - Path_Hide
 - Path_Show

Tageszeiten

Kameras und Blickpunkte

Fahrzeugkonfigurationen

Testfahrt

Optionen

4973.2 MB RR-RT CPU Usage: 92.258% Image Samples: 216 Rendertime Elapsed: 5m 1 Save time: 7.623000 Units (mm) Up Z NCP 18.581263 FCP 14044970.00 FOV 22.000002 ICV

Hands On Session – Virtual Test Drive



