



*Formerly called UC-win/Road*

## S-Paramics Plug-in

The S-PARAMICS Plug-in Option enables data exchange between VR-Design Studio and S-PARAMICS to provide a great combination of traffic analysis and 3D virtual reality by linking one of the leading traffic micro-simulation solutions with Forum8's state-of-art software.

### Program functions and features

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S-PARAMICS and VR-Design Studio can share the same road network information by exchanging geometric data of the road. S-PARAMICS/OpenMicroSim Conversion Tool enables you to visualize the simulation result of S-PARAMICS, and the S-PARAMICS plug-in can then be used to maintain the positions of the vehicles and the roads.

The Virtual reality environment of VR-Design Studio can be used to visualize landscapes, road designs and traffic as well as to check road conditions from the driver's viewpoint on our state-of-the-art Drive Simulator. In addition, this plug-in option can be used for high quality traffic simulation.

The amount of work can be greatly reduced by converting the road network data created in VR-Design Studio and using it in S-PARAMICS for simulation. We envisage that the reciprocal data exchange between VR and traffic analysis will create an ideal combination between the comprehensive visualization and the state-of-the-art technology to help improve the road conditions and the traffic.

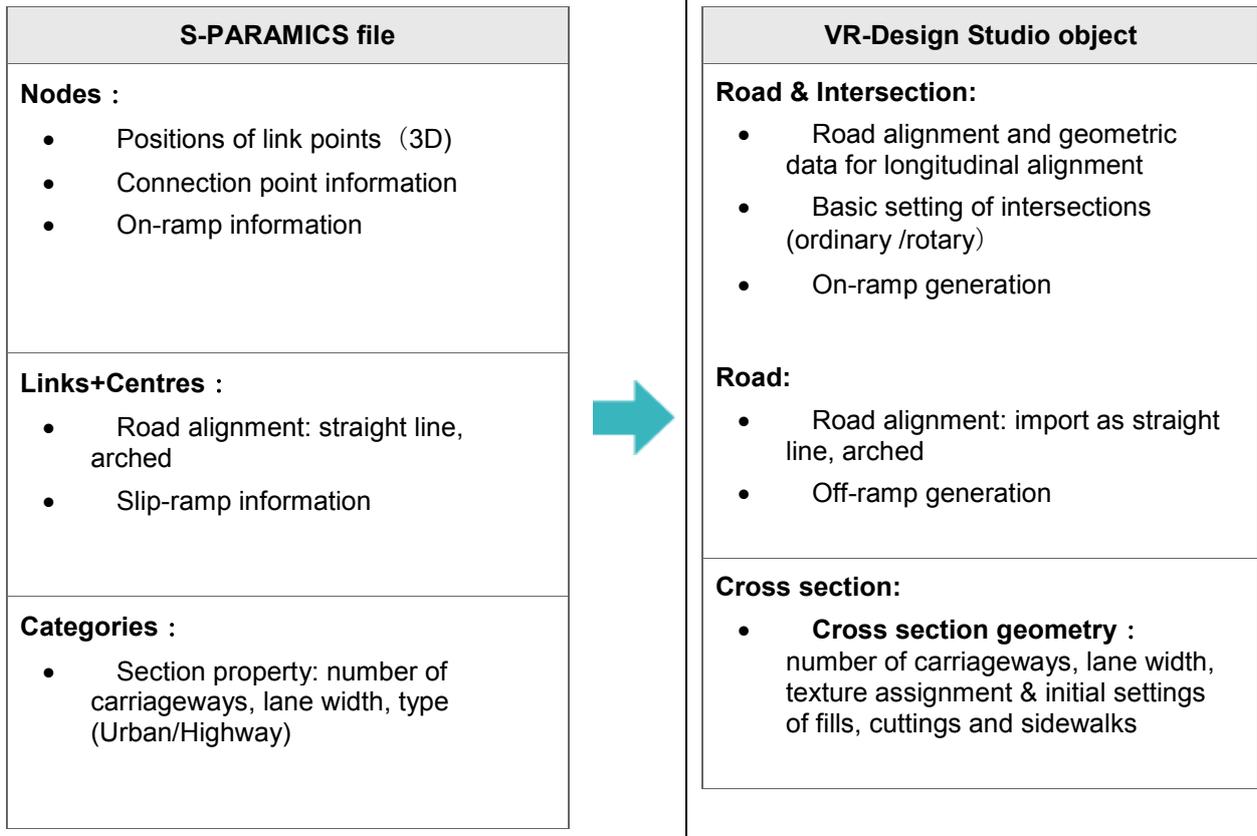
#### ■ Data exchange function

Due to the difference in data formats for road networks in traffic simulations and in Virtual Reality, a data conversion is required. S-PARAMICS does not require as much information about roads for simulating traffic as VR-Design Studio does. Therefore, it is more practical to carry out detailed settings on the road after the data is imported into VR-design Studio from S-PARAMICS.

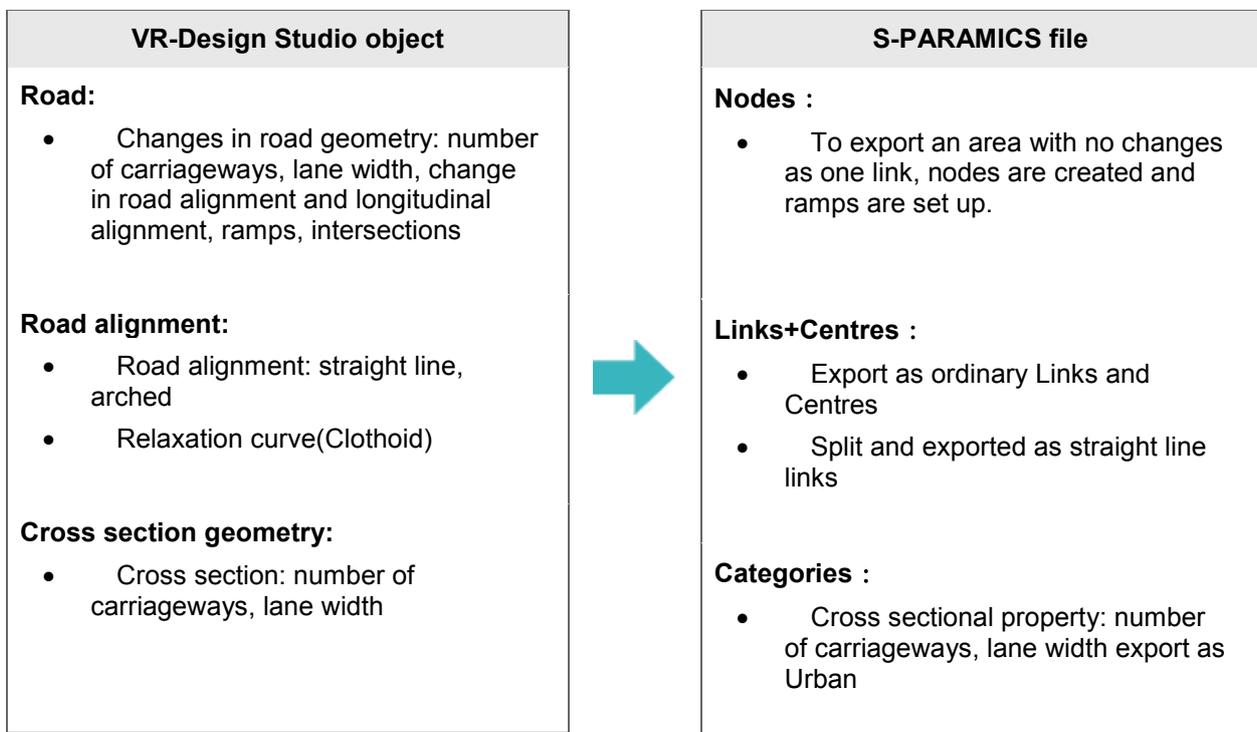
On the other hand, detailed traffic settings, including connection points, must be carried out after importing data from VR-design Studio to S-PARAMICS.

The plug-in option is designed to minimize the work load by exchanging data. Details of data exchange are described below.

▼S-PARAMICS data import and export specifications

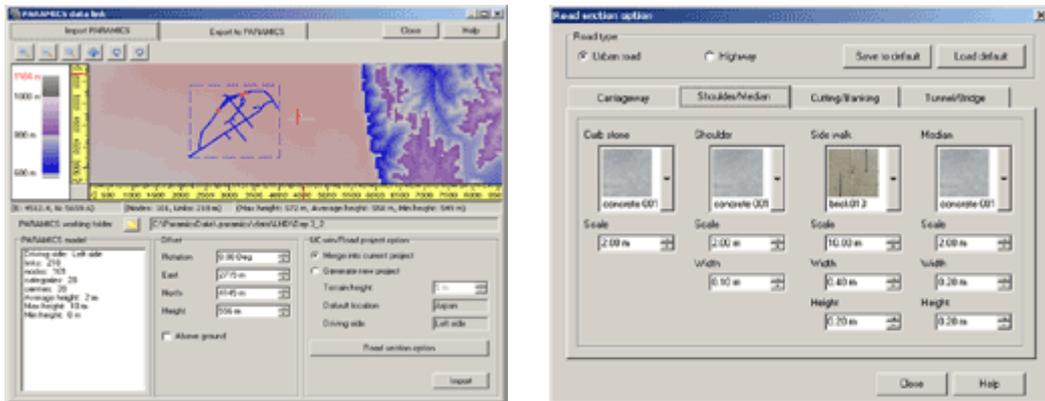


▼S-PARAMICS data export specifications



## ■ User interface

The data to be imported can be viewed easily. The parameters for the import and the textures of the cross section can also be chosen.



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