

ERGONEERS
FROM SCIENCE TO INNOVATION



**SIGHT SIMULATION
MOCK-UP
SIMULATION SOFTWARE**

SIM-LAB





THE MODULAR AND SCALABLE DRIVING SIMULATOR

SIM-LAB

SIM-LAB. CREATE YOUR OWN SIMULATION ENVIRONMENT

Are you seeking a modular, scalable and flexible solution for driving simulation experiments? Then look no further! Sim-Lab, by Ergoneers, is a driving simulator toolkit capable of meeting the demands of any project. Our modular approach means we can provide both standardized packages as well as highly customized simulator environments. Additional functionalities, including hardware and software components or design elements, can easily be integrated into our Sim-Lab environments at any time.



SIGHT SIMULATION

Sim-Lab features flexible sight simulation modules to achieve different types of driving environments – ranging from single, front-view monitors to all-around projection or rear-view simulation. Our customers can select from a wide array of components such as actual mirrors or displays in mirror housings, projection domes for dynamic simulators, or 360° surrounds. The range of monitors and projectors as well as multiple options for resolution, brightness and contrast means you will almost certainly find a Sim-Lab solution to perfectly satisfy your requirements.

MOCK-UP

Ergoneers likewise engineers our Sim-Lab environments with modular, expandable mock-ups featuring driver and / or passenger seating – or will convert your actual vehicle, whether car or truck, into a perfectly functional simulator. Starting with a simple, low-cost solution? Our scalable designs make easy upgrades possible at any time, even over multiple years of use. For customer-specific design or interior requirements, our specialists can recommend which mock-up configuration to choose. And should a specific car or truck be chosen, our expert team can also make that desire a reality.

SIMULATION SOFTWARE

Ergoneers customized driving simulators are installed and operated with a special simulation software Silab. It is fully flexible, extendable and scalable, in line with our other product offerings. New functions such as sight channels or motion cueing can be implemented at any time to extend your simulation environment. Silab is currently available in three versions:

SILAB ESSENTIAL

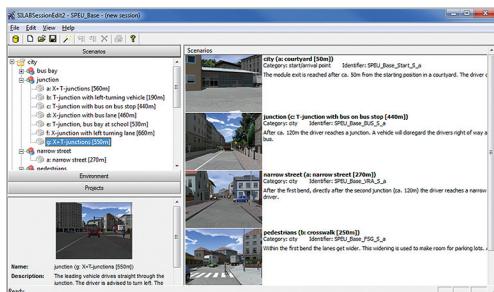
Our standard software with a variety of predefined rural and urban roadways and intersections.

SILAB PROFESSIONAL

Used to create custom road networks and diverse traffic scenarios including other vehicles, pedestrians, and assorted roadway participants.

SILAB ENTERPRISE

A high-end solution required to integrate your choice of external, interactive hardware and software such as electronic control units, MATLAB code, C algorithms, and many others.



Need a turn key solution? Ergoneers supports you from planning and engineering to manufacturing and installation of Sim-Lab. Our consultants also provide customized training and support through every phase of an experiment.

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