INFLO-Aimsun Interface

# Content for Application Page

## Tab 1: Summary

INFLO-Aimsun Interface allows connecting the INFLO-SIM application with Aimsun for the development of AMS (Analysis Modeling and Simulation) Testbeds.

## Tab 2: Description

INFLO-Aimsun Interface is an Enhanced API for Aimsun that allows connecting the traffic simulation with the INFLO-SIM application for the development of AMS (Analysis Modeling and Simulation) Testbeds.

Aimsun is a multi-resolution traffic modelling platform that includes macroscopic, mesoscopic, microscopic and hybrid mesoscopic-microscopic modelling engines. The microscopic simulator is the only one that allows interfacing with INFLO.

INFLO (Intelligent Network Flow Optimization) is a Dynamic Mobility Application that implements Speed Harmonization and Queue Warning and is available as a package to interface with traffic simulators as INFLO-SIM.

INFLO-Aimsun Interface requires a license of Aimsun 8.0 with platformSDK.

## Tab 2: Release Notes:

### License

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### Installation and Removal Instructions

INFLO-Aimsun Interface requires the platformSDK for Aimsun 8.0 to compile a custom plugin for Aimsun.

Compile the plugin from the supplied source code.

Copy the compiled .dll and the provided .xml in the folder where plugins stored (Aimsun 8.0\plugins).

To remove the software, simply delete the .dll and .xml files.

### Operating requirements

CACC for Aimsun requires an Aimsun platformSDK license to be compiled, and an Aimsun license to be executed. The hardware requirements for the use of this application are the same as those for Aimsun alone; see https://www.aimsun.com/aimsun/tech-specs/ for details.

Aimsun runs on Windows, Linux, or Mac, but INFLO-SIM is only available for Windows; therefore, even if the interface could be compiled for other operating systems, the only practical option is Windows.

### Related web sites

The software is distributed through the USDOT's JPO Open Source Application Development Portal (OSADP), <http://itsforge.net/>

## Tab 3: Documentation

* In the README file provided

## Tab 4: Discussion

* Main discussion (link)
* Issue discussion (link)

## Tab 5: Related Applications

* INFLO-AMS-v1.0
* INFLO-SIM-1.0