Virtual Sensor Platform (VSP) CLOUD SERVICE DESCRIPTIONS

Any of our services are based on and subject to the respective VSP package (Customer Trial XS, S, M,L) booked by the customer. Such packages may vary and limit in particular the storage and computation power with respect to our services. As a consequence, our service may e.g. take longer to provide respective results if fewer computation or storage is booked by the customer. Details with regard to the respective parameters of packages to be booked may be found in our pricing list on our website compredict.ai and/or in the order form signed by COMPREDICT GmbH and the customer. Should – for whatever reason – a booked service not be linked to a particular package then the storage and computation power shall in any case be subject to the limitations defined within the largest package in the pricing list.

- **Project Management Cloud Service ("Project Management Cloud Service")**

  The Project Management Cloud Service facilitates the organization and oversight of virtual sensor projects within our platform. Users can manage a list of projects, each linked to specific Virtual Sensors, allowing for organization and navigation through the VSP. With predefined project statuses and filtering capabilities, users can monitor, create, and delete projects.

- **Vehicle Management Cloud Service ("Vehicle Management Cloud Service")**

  The Vehicle Management Cloud Service empowers users to manage vehicles within their projects on the platform. Users can create and add vehicles to projects, as well as remove vehicles that are no longer in use. This service is crucial for the calibration and deployment processes of virtual sensors, ensuring that the correct vehicles are associated with the appropriate projects. Additionally, it provides users with a list of all vehicles they have created.

- **Signal Mapping Cloud Service ("Signal Mapping Cloud Service")**

  The Signal Mapping Cloud Service offers an overview of vehicle signals essential for calibrating our virtual sensors. Tailored to the requirements of a specific type of virtual sensor, it presents a list of signals for calibration purposes. While the service provides a centralized repository of required signals, users maintain control over matching their own signal names to the correct inputs. Once signals are mapped, the service ensures that calibration occurs precisely according to the user-defined signal mappings, facilitating respective integration for users.

- **Vehicle Data Upload and Storage Cloud Service ("Vehicle Data Upload and Storage Cloud Service")**

  The Vehicle Data Upload and Storage Cloud Service facilitates uploading and storage of vehicle data utilized within virtual Sensor projects. It ensures data organization by storing the data specific to each project. Additionally, it serves as the foundational storage platform for all virtual sensor outputs generated through cloud processing. This service provides for the accessibility and monitoring of the vehicle data for visualization through the Visualization Cloud Service.

- **Data Quality Check Cloud Service ("Data Quality Check Cloud Service")**

  The Data Quality Check Cloud Service performs automated quality checks on uploaded calibration data intended for virtual sensor calibration. These pre-defined checks, curated by COMPREDICT's data science experts, aim to assess the quality of calibration data utilized. By providing indications of data quality, the service assists users in determining whether the data meets the standards necessary for generating accurate virtual sensor results. Additionally, it alerts users if the data is deemed insufficient, prompting them to re-upload or provide improved data for calibration purposes in order to support high-quality data utilization.

- **Automated Calibration Cloud Service ("Automated Calibration Cloud Service")**

  The Automated Calibration Cloud Service offers automated calibration processes for all virtual sensors within COMPREDICT's current VSP portfolio. This service, designed to streamline calibration procedures, allows users to initiate calibration even with reduced machine learning expertise when compared to standard calibration procedures. Leveraging autoML (Automated Machine Learning) principles, it operates in the background once calibration is initiated by the user. Users receive notifications upon completion of automated calibration or in the event of cancellation due to errors. Additionally, the Platform grants users direct access to various metrics to evaluate the virtual sensors performance. Utilizing a visualization engine, the Platform offers a performance analysis tool. Metrics such as duty value and RMSE (Root Mean Square Error) are readily available for users to review and ascertain the accuracy of each target used in the automated calibration process.

- **Notification Cloud Service ("Notification Cloud Service")**

  The Notification Cloud Service is a notification system designed to alert users of predefined events based on their selected settings. Users have the flexibility to choose from various notification types, which are predefined by COMPREDICT, such as email or web browser push notifications, tailored to their preferences. This service aims to keep users informed about important processes on the VSP, notifying them when defined events are completed or when they reach defined milestones in their user journey.

- **Cloud Deployment Service ("Cloud Deployment Service")**

  The Cloud Deployment Service facilitates an automated deployment process for virtual sensors, empowering users to deploy calibrated virtual sensors onto selected vehicles via the cloud. Users can specify and select the vehicles to which they intend to deploy the virtual sensors. This service ensures deployment of the designated virtual sensors onto the chosen vehicles, serving as the foundation for visualizations to display the virtual sensor outputs for each vehicle. By automating the deployment process, this service enhances efficiency and accuracy in managing virtual sensor deployments.

- **Visualization Cloud Service ("Visualization Cloud Service")**

  The Visualization Cloud Service offers users the capability to visualize calibration and deployment results directly within the VSP, allowing for in-depth exploration of the used vehicle data. It also provides access to a list of predefined metrics by COMPREDICT, offering insights into the accuracy of the calibrated model directly. Additionally, users

can visualize predictions (outputs) of deployed Virtual Sensors per vehicle, facilitating output monitoring and analysis. The service includes tools for analyzing vehicle data related to projects, such as zooming in and out on plots, selecting specific signals for visualization, and other visualization features. By providing visualization capabilities, this service enhances user understanding and decision-making.

VSP Cloud Policies:

Your order for this VSP cloud service is in any case further subject to the COMPREDICT VSP Cloud terms and conditions, which may be viewed at compredict.ai/general-terms-and-conditions