# Executive Summary

The purpose of this document is to provide detailed technical information that can aid the continued development of the Virtual Sensor Editor and Visualization Dashboard.

The Virtual Sensor Editor is a web application that can be used to manage virtual sensors. Virtual sensors are logical combinations of data from multiple physical sensors that are part of the Sensor Data Platform. The Visualization Dashboard is a web application that provides topological, geographical and graphical views of the data from the Sensor Data Platform. As part of Project 4 Team Facade enhanced the editor with features such as control flows that can be used to create complex workflow based virtual sensors. Team Facade also implemented modifications to the Visualization Dashboard so it could be compatible with a new backend system.

As part of Project 4 Team Facade developed basic integration with Taverna – An open source and domain independent workflow management system. Team Facade also developed a location awareness system by implementing Geo Fencing algorithms.

This document provide detailed explanation of the features developed, their design and architecture as well as next steps for future development of the application.