



Insplorion's hydrogen sensor in its first commercial pilot study

Insplorion and a Swedish company active within transport has signed an agreement to conduct a pilot and development project with Insplorion's hydrogen sensor platform. The project aims to clarify how the sensor can perform within the customer's application and to develop an application specific prototype. The first part of the study has an order value of about SEK 100 000 and will be performed during the first quarter of 2022.

During the year, extra focus has been on developing the hydrogen sensor platform to enable customer trials. This study is the first industrially funded pilot for the hydrogen sensor and follows a dialogue that has been ongoing during the second half of this year. The aim of the study is to evaluate the performance for customer specific needs as well as to develop and test a modified way to access the sensor remotely via an optical fiber. A successful first part will lead to continuation of the project with further collaborative development of the sensor for the customer specific need.

"It is too early to estimate the potential of this application. This however shows that our hydrogen sensor has matured enough to allow us to initiate customer financed pilots. It also shows that our efforts in both business and tech development are starting to pay off, and that we are now entering a new phase with the hydrogen sensor platform", comments Patrik Dahlqvist, CEO at Insplorion.

Questions are answered by:

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Insplorion AB, with its disruptive sensor platform NanoPlasmonic Sensing (NPS), operates within four field: air quality sensors, hydrogen sensors, battery sensors and research instruments. The sensors are small, durable and cost efficient at volume production. Our sensor technology enables air quality sensors at home, in cars and in public environment, Our hydrogen sensors show a sub-second response time, making them the fastest in the world and will promote the growth of hydrogen infrastructure. The battery sensor optimizes battery control and usage. Our instruments give scientists around the world nanometer sensitive real time data of surface processes in fields like catalysis, material- and life science.

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