



PRESS RELEASE

SIGNATURE OF A MOU IN THE FIELD OF RADIOLOGICAL IMAGE ANALYSIS BASED ON ARTIFICIAL INTELLIGENCE

Luxembourg, 19 September 2019 - As part of the "Bringing innovation to the health tech market" event held this Thursday at the European Convention Center in Luxembourg, in the presence of the Deputy Prime Minister, Minister of the Economy and Minister of Health, Étienne Schneider, a Memorandum of Understanding (MoU) was signed between Hanalytics Sàrl, Hôpitaux Robert Schuman and the radiologists of the institution, in piloting a radiological image analysis solution based on artificial intelligence called BioMind.

Hanalytics Sàrl is the Luxembourg subsidiary of the Singapore group Hanalytics. Its establishment is the result of the promotional work carried out by Luxinnovation and together with the Ministry of the Economy and the House of Entrepreneurship, assisted the company to develop in the European market.

The company quickly found its way into the local ecosystem for the adoption of BioMind, one of the world's first CE-certified AI diagnostic support system for brain conditions, for the benefit of patients, physicians and the economy.

BioMind is jointly developed by world-renowned medical specialists and machine-learning experts. It uses deep learning technology to analyse neurological disorders such as brain tumours, vascular diseases and stroke conditions. This AI application can also be upgraded to analyse medical images of other body systems.

"We use artificial intelligence to assist physicians in making better analysis in diagnosis and treatment, and speed up their work flow, thereby improving patient outcomes," said Raymond Moh, CEO of Hanalytics.

The application appealed to Hôpitaux Robert Schuman (HRS), interested in setting up this innovative radiological image analysis solution. *"The company and the hospital are collaborating to pilot the AI application for use in Radiology. We work together on its ongoing assessment and improvement to best integrate into our clinical workflow,"* says Dr. Damien Dietrich, Medical Director in charge of Digitalisation at HRS.

"We are fortunate to work in a specialty, radiology, at the forefront of innovation and to rapidly benefit from clinical applications resulting from research in physics and more recently in computer science," adds Dr Jean-Baptiste Niedercorn, radiologist representative at the HRS and member of the board of the Luxembourg radiology society. *"Going beyond the CAD (computer assisted diagnosis) already used for years, for example in mammography for lesion detection, the new artificial intelligence solutions will enable us in the near future to refine our diagnoses and improve the follow-up of our patients."*

Sasha Baillie, Luxinnovation's CEO, welcomed the signing of this agreement: *"This innovative partnership shows the openness of the main healthcare players in Luxembourg to implement new health tech solutions that increase their efficiency and improve patient care. In addition, the support provided to Hanalytics is a good example of the synergies between the players working to receive international companies in the best way possible"*.

“A young and dynamic sector”

This memorandum of understanding was signed at the "Bringing innovation to the healthtech market" event held this Thursday at the European Convention Center in Luxembourg.

Organised by the HealthTech, ICT and Materials & Manufacturing clusters managed by Luxinnovation, this conference, which brought together more than 200 people, had a dual objective.

On the one hand, the aim was to show, through examples from national companies, how innovations (particularly in digital technology, materials or manufacturing processes) can be integrated into medical technologies. On the other hand, the exchanges highlighted the path and obstacles encountered by these entrepreneurs who decided to evolve in these medical sectors, by detailing the steps involved in bringing these medical technologies to market.

“Luxembourg is home to a young and dynamic HealthTech sector with digital health businesses, strong IT infrastructures and key advanced manufacturing capabilities”, Minister Schneier explained. “Paying a specific attention on the regulatory side of healthcare innovations, Luxembourg offers therefore key ingredients for success to companies willing to develop and bring on the national and European market innovative HealthTech solutions that will shape the future of healthcare in Europe”.

The programme of presentations and round tables was complemented by B2B sessions that brought together interested professionals from the ICT and Materials/Manufacturing sectors with those from the health technology sector interested in finding new technologies and products.

“I am pleased to observe that Luxembourg traditional players from the materials sector such as Dupont, Molecular Plasma Group, Anisoprint, eXStream and Ceratizit are already exploring the opportunities of the healthcare market”, Etienne Schneider enjoyed.

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