Distech Controls puts AI to work improving buildings and healthcare environments

[Lyon, France, 6 May, 2024] - Distech Controls™, an innovation leader connecting people with intelligent building solutions, introduces Resense Move, a new AI-powered multi-sensor that improves indoor air quality, saves energy and enhances a building's daily activities. Resense Move completes the suite of solutions suitable for healthcare environments and developed specifically by Distech Controls.

Designed to deliver exceptional air quality, heating, ventilation and air conditioning (HVAC) control, and building intelligence, Distech Controls products provide healthcare operators with human-centered, energy-efficient buildings.

Using AI to increase the efficiency of Distech Controls solutions

Designed to enhance the comfort of those visiting, recovering and working in the building, the new AI-powered Resense Move places patients and staff at the centre of how a building operates. It can be installed in both new-build and refurbishment projects.

In healthcare environments, bed space is at a premium and there is a constant stream of visitors, as a result it is important to know who is using a space and when. The new AI-powered Resense Move multi-sensor will count the number of people in a space and provide a proactive solution which immediately renews the airflow in the building according to the occupancy levels unlike a standard CO_2 sensor which needs to be sent a command. The integrated visual LED indicator on Resense Move provides reliable information about the space, letting building operators and facility managers know if there is a problem with the air quality such as a build-up of CO_2 or VOCs.

Another key feature of the Resense Move for healthcare settings is the noise sensor, as excessive noise levels throughout the hospital can harm the physical and mental wellbeing of staff and patients. According to the American Academy of Paediatrics (AAP) noise levels within a NICU should be less than 45 decibels (dB) as monitoring noise levels is essential to maintain blood pressure, heart rate and respiratory rate or newborn babies. The Resense Move will indicate with LED lights if the noise level exceeds the recommended level. Through open APIs, Resense Move data can also be integrated into third-party dashboards so a nurse can immediately identify and receive an alarm if the noise reaches an abnormal level and facility managers can track noise levels across rooms or areas.

Using AI significantly improves the collection of data from a building, enabling building owners and managers to adapt systems and services - such as heating, ventilation and lighting systems, cleaning rotas and even catering services - to better serve occupants while improving performance and energy efficiency. The ability to count people thanks to a thermal sensor integrated into the Resense Move sensor would not be possible without the support of AI technology, the precision and learning that must take place would be limited without it.

BMS for patient well-being

Distech Controls offers a range of solutions to complement the AI-powered Resense Move and create a better experience for patients, doctors, nurses and hospital staff by creating an efficient and healthy facility.

As well as placing wellbeing at the heart of the building, energy efficiency is equally important. The Distech Controls ECLYPSE Building Intelligence controllers and software installed within the building allows users to monitor energy usage, ensure energy reduction targets are met and optimise building performance.

Allure UNITOUCH is an elegant, occupant focused room device that provides an intuitive user interface for the control of temperature, lighting, fan speed, sunblinds. It places control in the hands of the building occupants and ensures patients have a more comfortable and healthy stay with controls at their fingertips.

Patients can even see their daily medical schedule when the Distech Controls building automation system is linked with third-party software via the open RESTful API. Doctors and clinical staff are empowered to easily make any hospital space comfortable with access to simple touchscreen controls, while IoT sensors help them quickly track key hospital equipment.

Finaly, through its Digital Partner Program, Distech Controls is working with ThoughtWire, which delivers operating systems for built spaces that provide the right data, to the right person, at the right time, to help them make the right decisions. The company understands the complex and time-sensitive nature of healthcare environments and has created an operating system that ensures patients have a positive experience by improving data capture and clinical response, creating notification centers and early warning networks. The system is also saving clinicians time, reducing carbon emissions and operating costs.

Renée Jacobs, Healthcare Business Development Manager at Distech Controls, said, "understanding what a product does and how it can help the application can be a daunting task for specifiers and end-users. As a leading manufacturer of intelligent building solutions, we are in a unique position to offer a complete solution that answers the needs of healthcare operators."

"Maintaining indoor air quality is a necessity for hospital and healthcare facilities but integrated systems and connected technology can also help provide healthy patient rooms, conducive to healing, as well as a better experience for patients' families, and staff by optimising comfort and improving workflow, while reducing stress and enhancing the healing environment."

To learn more about Distech Controls visit www.distech-controls.com.

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About Distech Controls

Distech Controls connects people with intelligent building solutions through our forward-thinking technologies and services. It partners with customers to deliver innovative solutions that can provide better health, better spaces, and better efficiencies. Its passion for innovation, quality and sustainability guides its business, which serves multiple market segments through worldwide business divisions, service offices and a superior network of Authorized System Integrators and Distributors. Distech Controls is a subsidiary of Acuity Brands, Inc.

For more information, visit the website **www.distech-controls.com**

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