

Siemens and Cathay Pacific Services enter into cooperation in Hong Kong

- **Use of MindSphere and Internet of Things applications for digitalization of the cargo terminal**
- **Cost reductions through predictive maintenance and energy optimization**

Siemens Postal, Parcel & Airport Logistics (SPPAL) and Cathay Pacific Services Limited have signed a Memorandum of Understanding (MoU) for digitalization of the cargo infrastructure at the Hong Kong airport. Innovative maintenance methods, such as predictive maintenance, and other levers are to be applied to the freight handling system installed by Siemens in 2013 to achieve smooth and even more efficient operation of the Cathay Pacific Cargo Terminal. This will help prevent expensive downtime of the conveying systems and thus enhance the system availability. Spare parts management will also benefit from this optimization.

This project is to be implemented using Internet of Things (IoT) applications and advanced data analytics. The planned software solutions are based on MindSphere, Siemens' open, cloud-based IoT operating platform.

“The signing of the Memorandum of Understanding highlights our long-standing and trusting cooperation with Cathay Pacific Services Limited”, said Michael Reichle, CEO of Siemens Postal, Parcel & Airport Logistics. “Our decades of experience in air cargo logistics, combined with our know-how in implementing digital solutions enable us to support the customer in further optimizing its process workflows and expanding its competitive advantage.”

Among other things, this agreement also covers the introduction of a standardized and secure method for real-time exchange of quality-assured data between various stakeholders at the airport. The contracting parties also aim to achieve energy

optimization of the cargo handling system in order to reduce operating costs and to make a meaningful contribution to environmental protection.

“I am very pleased to enter into this cooperation with Siemens for digitalization of our materials handling system”, stated Jenny Lam, CEO at Cathay Pacific Services Limited. “Our main concern here is to continue to offer our customers excellent service. And we chose Siemens’ profound expertise and innovative software solutions in order to accomplish this.”

Cathay Pacific Services Limited is a wholly-owned subsidiary of Cathay Pacific Airways, operating the ultramodern air cargo facility to serve the airlines at the Hong Kong International Airport.

SPPAL further expanded its digital portfolio recently by opening a new MindSphere Application Center (MAC) in Dubai, which will develop future-oriented analytics and IoT solutions – among others for airports and airlines. The MAC in Dubai is part of the global network of 20 centers for digital customer applications from the Siemens Group. Around 900 software developers, data specialists and engineers are collaborating with customers on digital solutions in the MACs.

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Siemens Postal, Parcel & Airport Logistics GmbH (SPPAL) headquartered in Constance, Germany, is a fully owned subsidiary of Siemens AG. SPPAL is a leading provider of innovative products and solutions in mail and parcel logistics and automation as well as in airport logistics with baggage and cargo handling. Software solutions and customer services along the whole product life cycle complete the portfolio. The company has an installed base in more than 60 countries worldwide. Major customers include renowned airports as well as postal and parcel service providers around the globe. Further information is available on the Internet at: www.siemens.com/logistics

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2018, which ended on September 30, 2018, Siemens generated revenue of €83.0 billion and net income of €6.1 billion. At the end of September 2018, the company had around 379,000 employees worldwide. Further information is available on the Internet at www.siemens.com.