

Siemens and BIAL sign MoU for cooperation on digital transformation of Kempegowda International Airport, Bengaluru

- **It will incorporate Internet of Things (IoT) applications, Artificial Intelligence and state-of-the-art Data Analysis**
- **Aimed at improvement of passenger experience and operational efficiency**

Siemens Postal, Parcel & Airport Logistics (SPPAL) and Bangalore International Airport Limited (BIAL) - operators of Kempegowda International Airport, Bengaluru (BLR Airport) - have signed a Memorandum of Understanding (MoU) to jointly drive the digital transformation of the BLR Airport. The declaration of intent envisages cooperation in a number of areas, including the digitalisation of existing infrastructure through the use of Internet of Things (IoT) applications.

The solutions rest on MindSphere, the open cloud-based IoT operating system from Siemens, which will work with BIAL in the simplification of its processes, increase efficiency and continue to improve the customer experience. BLR Airport is the third busiest airport in India, having handled over 25 million passengers in 2017.

"In developing digital solutions, Siemens increasingly relies on agile, collaborative working relationships with customers and partners," said Michael Reichle, CEO of Siemens Postal, Parcel & Airport Logistics. "We've been cooperating closely with BIAL for several years. I'm looking forward to partnering to further develop digital services!"

"The BLR Airport is a pioneer and leader of change in the Indian aviation industry. Our aim is to introduce more digitally advanced, innovative services and products at the BLR Airport to ensure that passengers and partners have the advantage of future forward technologies, in a seamless operating environment. Siemens has always worked closely with BIAL as both investor and technology partner. With the signing of

the MoU for digitalisation, we are once again gearing up for a leading position in India together with SPPAL," said Mr. Hari Marar, Managing Director and CEO of BIAL.

One of the aims of the collaboration between Siemens and BIAL is the standardised, secure real-time exchange of quality-assured data. The measure is designed to increase transparency and thus improve processes between the various stakeholders at the airport.

A further aspect involves the implementation of innovative service methods for the baggage handling system installed by Siemens in Bengaluru. Predictive maintenance, for instance, will allow system availability to be increased and spare parts management to be optimized. State-of-the-art data analysis and Artificial Intelligence are just some of the technologies being considered to this end.

To further expand its digital portfolio, SPPAL has recently opened a new MindSphere Application Center (MAC) in Dubai, which will be used to develop future-oriented analytics and IoT solutions for airports, airlines, freight service providers and ground handling services. The MAC in Dubai is part of the global network of a total of 20 centers for digital customer applications from the Siemens Group. Together with customers, around 900 software developers, data specialists and engineers are developing digital solutions in these MACs.

BLR Airport opened for operations in 2008. Within the scope of the public-private partnership, Siemens provided partial financing as well as erecting the entire terminal on a turnkey basis in its role as the general contractor.

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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 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world's 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 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at www.siemens.com.