Lavorro Selects Cimetrix Sapience® Data Collection Platform by PDF Solutions to Support its Semiconductor Manufacturing AI/ML-driven Smart-Bot Solution

Innovative Platform Designed for Standardizing Data Distribution Across Manufacturing Operations

March 30, 2021, Santa Clara, CA – PDF Solutions, Inc. (Nasdaq: PDFS), a leading provider of comprehensive data solutions for the semiconductor ecosystem, today announced that Lavorro Inc., a provider of integrated software solutions for semiconductor processing equipment, has selected the Cimetrix Sapience® platform to support the collection of manufacturing equipment data from the factory floor at a key customer. The data will be used to drive Lavorro's Smart-Bot Lucy®, a NLP-driven machine learning (ML) and artificial intelligence (AI) product family.

As the global semiconductor and electronics industries race to transform manufacturing floors into "smart factories", one aspect of this transformation that is overlooked and often underestimated is how to intelligently collect the terabytes of data generated by the vast number of tools used on the manufacturing floor. With potentially dozens of different equipment suppliers, each delivering one or more tools into the manufacturing flow, creating and maintaining data collection interfaces for unique equipment can be a formidable task for factory managers and operators and a drain on resources that could be developing other more value-add applications.

"Integrating the Cimetrix Sapience platform for factory tool data ingestion with our Smart-Bot family of products has significantly improved our ability to collect data from various suppliers' equipment, thus allowing us to focus resources on our core business and shortening our application development time," said Arya Bhattacherjee, VP of Products and Business Development for Lavorro. "The data distribution network of Cimetrix Sapience will drive the advanced ML/predictive models in our Smart-Bot platform and enable us to improve our customers' overall engineering efficiency and equipment uptime."

"We are very pleased that Lavorro has chosen Cimetrix Sapience to play an integral part in the development of their Smart-Bot AI platform," said Bob Reback, GM and VP for the Cimetrix Connectivity

Group at PDF Solutions. "As more organizations use AI /ML applications in their smart factories, we believe these companies will need a uniform way to manage data pipelines on the factory floor and efficiently collect equipment data. The Cimetrix Sapience platform is designed to enable companies of all sizes to realize their vision for Smart Manufacturing and Industry 4.0."

Cimetrix Sapience Collection Platform

Cimetrix Sapience from PDF Solutions is a cloud-native platform that is designed to manage the high-performance data pipelines between manufacturing equipment and large-scale data storage and analysis environments. Cimetrix Sapience provides a common data collection interface and data distribution network designed to support the myriad makes and models of equipment on the factory floor, which is intended to allow customers to significantly reduce the resources historically needed to establish direct equipment connections to support AI/ML and big data applications. The Cimetrix Sapience RESTful APIs are open to both internal and 3rd party application developers is designed to support streaming from Kafka and industry standard protocols such as SECS/GEM, EDA/Interface A, and OPC UA. For more information about Cimetrix Sapience from PDF Solutions visit www.pdf.com or contact cimetrix_sales@pdf.com.

Forward Looking Statements
The statements in this press release regarding the expected success of the PDF Solutions' offerings for customers' requirements and environments and expected financial results related to broad and/or successful deployment by customers are forward looking and are subject to future events and circumstances. Actual results could differ materially from those expressed in these forward-looking statements. Risks and uncertainties that could cause results to differ materially include risks associated with: the scope of deployment of PDF Solutions' products by customers; the quality of our support and services offerings; errors in PDF Solutions' software; the availability and functionality of competitive solutions; and other risks set forth in PDF Solutions' periodic public filings with the Securities and Exchange Commission, including, without limitation, its Annual Reports on Form 10-K, most recently filed for the year ended December 31, 2020, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K and amendments to such reports. The forward-looking statements made in this press release are made as of the date hereof, and PDF Solutions does not assume any obligation to update such statements nor the reasons why actual results could differ materially from those projected in such statements.

About PDF Solutions

PDF Solutions (NASDAQ: PDFS) provides comprehensive data solutions designed to empower organizations across the semiconductor ecosystem to improve the yield and quality of their products and operational efficiency for increased profitability. The company's products and services are used by Fortune 500 companies across the semiconductor ecosystem to connect and control equipment, collect data generated during manufacturing and test operations, and perform advanced analytics and machine learning designed to enable profitable, high-volume manufacturing.

Founded in 1991, PDF Solutions is headquartered in Santa Clara, California, with operations across Europe and Asia. The company (directly or through one or more subsidiaries) is an active member of SEMI, INEMI, TPCA, IPC, the OPC Foundation, and DMDII. For the latest news and information about PDF Solutions or to find office locations, visit http://www.pdf.com/.

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