

20 Most Promising Internet of Things Solution Providers

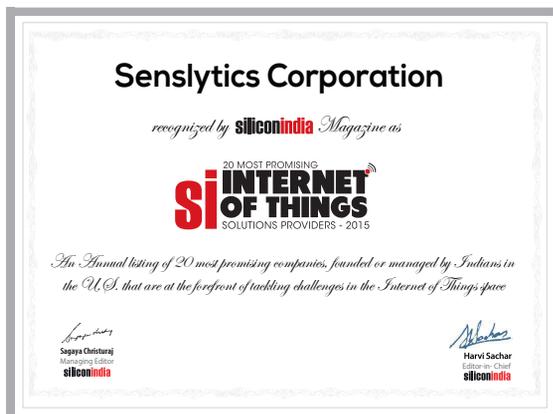
Smartphones and tablets have proved to be catalysts in paving the way for The Internet of Things (IoT)--the next wave of internet. Gartner reports that by 2020, there will be 26 billion interconnected 'smart units' (sensors, motion sensors and smart watches). Devices will constantly communicate in the background, offering highly personalized solutions.

On a broader scale, the concept of 'smart city' is increasingly becoming a reality where every sphere of life will be 'connected' via 'Machine to Machine automation'. Big Data, Sensor Fusion, Sensor Hubs and Edge Analytics are the other architects to watch out for in the 'IoT' space.

With billions of connected device, security attacks and data larceny will arise as a big concern in the IoT realm. Further, exposure of sensitive information

making its way in public domains via cloud is another flip side of IoT. Still, the pros outweigh the cons. It has been suggested that the IoT industry in the next five years will grow at a rate of 54 percent. This has paved the way for companies to innovate while trying to solve the puzzle which the IoT landscape has come up with.

On the backdrop of such developments, a distinguished panel comprising of CEOs, CIOs, VCs, analysts including SiliconIndia editorial board evaluated the top companies founded and managed by Indians in the IoT space, and selected the ones that are at the forefront of tackling today's IoT challenges. In this edition, we bring to you the "20 Most Promising IoT solution providers 2015" featuring the companies that are reshaping the IoT space.



Company:

Senslytics Corporation

Description:

A software development company providing IoT analytics based services through IoT enablement and data science applications

Key Person:

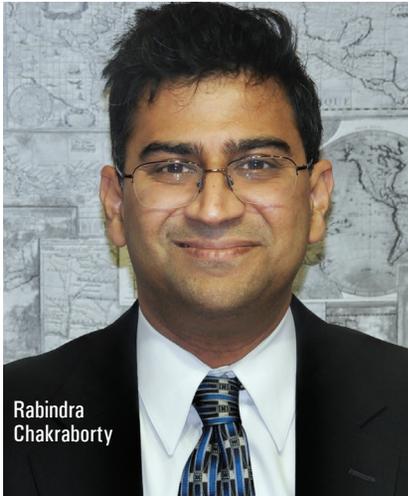
Rabindra Chakraborty,
President

Website:

www.senslytics.com

Senslytics Corporation

Real-Time Interoperable Platform for IoT driven Analytics



With the changing business demographic, and increasing customer demand, organizations are compelled to provide innovative solutions. Now, businesses are plunging into the Internet of Things (IoT) to proactively monitor, manage, and maintain systems, and respond to unwanted situations. “IoT enables organizations to collect relevant information from various structured, semi-structured or unstructured data sources and apply

“**Our vision is to prevent emergencies from happening by monitoring the context state and projecting possible non-compliance, failure or emergencies ahead of time**”

data science to predict insights around emergencies,” begins Dr. Rabindra Chakraborty, President, Senslytics Corporation.

A spin off from Catalyst Business Solutions, a technology consulting company; Senslytics Corporation, founded by Mr. Anupam Awasthi, Mr. Amol Awasthi, Mr. Jay Kalra and Dr. Chakraborty focuses on building a platform for the industry specific IoT analytics needs. The company’s interoperable platform—5.5 Sense Suite solution provides a unified view of the ‘context state’ such as the health state of an equipment or the seepage state in a pipeline and delivers alerts in the mobile devices. The solution has three major components, Data Dendrons, Prognosis Platform and Wisdom Engine. Data Dendrons, which act like the senses of human body, can collect structured, semi-structured and unstructured data from different sources, whereas the Prognosis platform acts like the spinal cord where different rules are applied enabling proper filtering, handling and directing-redirecting of data. The Wisdom Engine acts like the brain generating predictions and intuitions at any given situation. The Wisdom Engine that generates the insights can be run either on Predictive Mode or on Preventive Mode. Flexibility is a key feature of the suite, which makes it adaptable to the IoT standards that are being led by different standards bodies. The IoT standards compliance gives easy message access for connecting to sensors and actuators in order to ensure the safety of equipment or a series of equipments in tandem.

“Our system can predict possible non-compliance ahead of time in order to take corrective actions,” says Mr. Anupam Awasthi, Board Member, Senslytics. “For example in oil and gas sector upstream business, through this, various rotary equipments from different manufacturers can be added easily to be monitored in the solution,” he adds. The 5.5 Sense Suite gives the performance degradation status of any equipment that are configured for feeding appropriate data to the analytics engine.

The 5.5 Sense Suite has well defined APIs that can be integrated with other external applications. Designed with scalability in mind, the system is secured, configurable and futuristic in nature. The presentation layer of the application is mobile friendly so any executive or the plant manager can know the status of the equipments in an oil rig operation, even when on the move.

Senslytics is actively working with the IEEE Standards Association to create an IoT driven compliance standard. “Our vision is to prevent emergencies from happening by monitoring the context state and projecting possible non-compliance, failure or emergencies ahead of time. Engagements with both Government side as well as the industry help us refine our products, thoughts and approaches to market adoption,” says Dr. Chakraborty. He foresees that IoT compliance as a game changer technology that will modernize the way customer confidence and trust are built in the business ecosystem. 