100 Most Promising Big Data Solution Providers 2016

'Big Data' is no more a buzzword. Now that organizations have already put their wide arms around Big Data, the next impediment lies in refining the data to bring out insightful and meaningful results. With every bit of '0' and '1' being harnessed as meaningful "collections," enterprises are sure to achieve complete utilization of their concrete information, and attain significant outcomes. Another trend that has gained notable traction is capitalization of cloud for storing invaluable sets of data. While majority of enterprises consider it as a risky venture owing to the concerns of security, others embark upon it for the sake of business agility. With myriad of such transformations, enterprises are confident to embrace innovative ways to hold together the regulations of corporate world, and ensure their participation in the realm of Big Data. In order to uphold a fine balance, it has become critical for the CIOs to choose proper technology and select best vendors that are at the forefront of effectively tacking the impediments across the Big Data realm. To help them accomplish their objective, CIO Review presents "100 Most Promising Big Data Solution Providers 2016." A distinguished panel comprising of CEOs, CIOs, VCs, and analysts including CIO Review's editorial board has decided the top Big Data Solution Providers from over thousand companies. The companies featured in this list provide a look into how their products work in the real world, so that you can gain a comprehensive understanding of the solutions available and how they stand against competition. We present to you CIO Review's 100 Most Promising Big Data Solution Providers 2016.

Wipro Ecoenergy

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100 MOST PROMISING
BIG DATA
SOLUTION PROVIDERS 2016

An annual listing of 100 companies that are at the forefront of providing bigdata solutions and impacting the marketplace

Company:
Wipro EcoEnergy

Key Person:
Syed Mansoor Ahmad, VP and Global Business Head

Description:
Provides intelligent and sustainable solutions for optimizing energy consumption and site efficiency utilizing leading edge analytics

Website:
wiproecoenergy.com

Wipro EcoEnergy
Leveraging Data for Efficient Energy Management

In an Internet of Things (IoT)-driven environment, large volumes of data are generated from connected devices, stressing the need for its granularity to help organizations derive meaningful insights and address different business cases. Envisioning the outcomes of leveraging data—energy efficiency, sustainability, and financial benefits, the founders of Wipro EcoEnergy, a unit of Wipro Limited stepped into the market to empower enterprises to gain accurate information, visualize, and take corrective actions for energy management. "As part of our innovation initiative of interconnecting IoT data, we found energy infrastructure as one of the interesting use cases to start our journey," starts Syed Mansoor Ahmad, VP and Global Business Head, Wipro EcoEnergy. As their business escalated, Mansoor realized that the data is also helpful in the maintenance and operational performance analytics in other areas. However, with the technological advancements, the firm found that most companies do not understand the need to improve their existing architecture or implement new tools which are often expensive in

order to accommodate the surging data. Further, inefficient visualizing techniques often deployed by companies restrict the presentation of data in an insightful manner and auto-corrective actions based on it. To eliminate these challenges, Wipro EcoEnergy provides intelligent and sustainable solutions using big data analytics aimed at enterprise wide and distributed environments.

The company delivers energy management services in a methodical manner called 'the three waves of energy savings'. "In a distributed environment, where there are thousands of outlets for an organization, it is likely that nearly 10 to 20 percent of them work inefficiently. In the first wave of savings, we do clustering and benchmarking across sites, analyzing outliers to gain sufficient insight," explains Mansoor. In the second wave, Wipro EcoEnergy carries out detection procedure for elements that are deviating from the organizations' policies and strategies on a continuous basis. Upon identifying the deviations, the company proceeds to determine and diagnose its causes. In the final wave, Wipro EcoEnergy focuses on the design deficiencies, which most of the firms ignore due to the non-availability of longer range data to derive insights. The company then suggests better control techniques and logics to apply in the environment to enhance energy savings and site operational efficiency.

Once these three waves are completed, it becomes a cyclical process to execute deviation management on new strategies applied, to keep an eye on the sites going out of bound. "Our act starts from a benchmarking perspective, removing all the outliers, and based on that bringing the

average energy usage down and working continuously toward its improvement," says Mansoor.

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> **Our act starts from a benchmarking perspective, removing all the outliers, and based on that bringing the average energy usage down and working continuously toward its improvement**
> 99

Additionally, Wipro EcoEnergy uses data for conditional based maintenance, allowing customers to undergo preventive maintenance cycles. The company has the ability to handle diverse set of IoT and non-IoT data—from energy consumption data to sensor, asset, and external data like weather, geospatial and business data, and apply big data analytics to discover the source of inefficiencies and potential for improvements. "Aimed at solving business problems of physical sites of customers, we not only promise our efficient technology but also ensure a desired outcome for our clients," asserts Mansoor.

For the future, Wipro EcoEnergy is determined to continue delivering services that improve operational efficiencies of its clients, assuring augmented customer experience. "We wish to harness the power of IoT and big data to assist our customers to be agile and run processes at significantly lower costs," concludes Mansoor. CR

Syed Mansoor Ahmad