IOT IN ENERGY SECTOR

WHY IOT

As worldwide energy consumption is expected to grow by 40 % over the next 25 years, the need for smarter energy solutions has reached an all-time high. At the same time, energy sector is undergoing a massive transformation due to solar, wind, storage and other new technologies in renewable energy.

Using IoT and relevant inbound data from external sources in energy systems, enables significant savings in energy consumption, both on the part of producers, distribution as well as end consumers.

BENEFITS OF USING IOT

- Real-time insight into network status
- Ability to manage, control and forecast consumption even with external factors
- (such as weather, season, time of use)
- Optimization of energy use by users (smart buildings, energy efficient production and transport)
- Cost savings (lower operating expenses due to system modernization)

HOW WE CAN HELP YOU

1. **Defining IoT Strategy**
   - Analyses of your business challenges,
   - IoT Strategy and new business processes
2. **Proposing architecture and Design**
   - Planning, integration and implementation of IoT environment tailored to your needs.
3. **Implementation services**
   - Deployment, management and integration of data and information systems.
4. **Creating a Data Environment**
   - Creation of data environment for the needs of AI, machine learning and other analytical processes.
5. **Deployment of analytical systems and platforms**
   - Optimize your operational and business decision-making with real-time data analysis.

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OUR TECHNOLOGIES

MapR Converged Data Platform enables the industry to mine into the operational data by tapping into all data–sensors, operational applications, precision robots, and fleet management – to converge it onto one platform for processing and analysis, regardless of where the data is located. It is a fundamental platform to start creating advanced AI and ML applications. MapR enables simultaneous analytics and applications, so manufacturers can connect machines, people, and analytics to derive business value from the digitization revolution that this industry is undergoing and develop new business models.

Exsaol is a high-performance s database, designed specifically for in-memory analytics in real-time. It is the fastest analytics database in the world, which enables AI & ML. Exasol provides a high-level of stability, flexibility and is a future-proof solution.

Talend Cloud Integration Platform gives users the power to harness data from any source and migrate it to virtually any application, location, or analytics tool. 900+ connectors make it easy to migrate data between applications while providing the agility needed to stay ahead of the IoT data curve.

MicroStrategy is a powerful BI and analytics platform, designed for development and management of all BI systems, enabling a standardized data visualization. With , comprehensive toolsets, variety of data connectors, and scalable, open architecture, MicroStrategy ensures you have everything you need to extend access to analytics across every team and business function.

WHY CHOOSE OUR SOLUTION?

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