







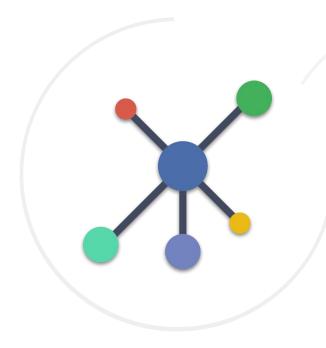


Are we analysing the streaming data to monitor the past, present and predictive performance of our enterprise?

It is a necessity more than an option, as we enter fourth industrial revolution. According to the Cisco Global Cloud Index, 847 Zettabytes of data will be generated by 2021.

Advancements in technology allows us to unlock the potential of IIoT, Cloud computing and Virtualization.





- To harness sensor-data comprising various industrial protocols
- Real-time processing, filtering and optimizing sensor data
- Centralizing the processed energy-data
- Perform day-to-day energy analysis for tailored user specific insights
- Deeply embedded safety concerns
- Mindset to embrace potential value of digitalization



- Diversity in industrial protocols, and data-aggregation standards, are bottleneck issues in handling, processing and storing the data collected from the sensors.
- Lack of standardized protocols and diversities in operating systems leads to the need of multiple protocol converters & acquisition devices.
- IoT communication protocol market size by Connectivity Technology (Wi-Fi, Bluetooth, Zigbee, Bluetooth Smart) is expected to grow upto USD 15.80
 Billion by 2022, at a CAGR of 4.7%.







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- Primary challenge is to process the received data in real-time and integrate insights across analytics.
- Higher requirements of data acquisition devices, data analysis tools, & data security drives up cost.
- Storage of unoptimized sensor data will have huge impact on storage cost.







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- Complexity of integrating multiple technologies, data acquisition tools, industries, devices, data and services, limits the functionality, & performance.
- Key challenges are limited expertise, interoperability between systems, quality of data integration, and budget for data storage.







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- Data market is projected at a CAGR of 18.45% during 2016–2021.
- Traditional statistical analysis struggles to process large volumes of assorted data into meaningful comprehension.
- Another challenge is in defining how the available data is interpreted for taking effective decisions.





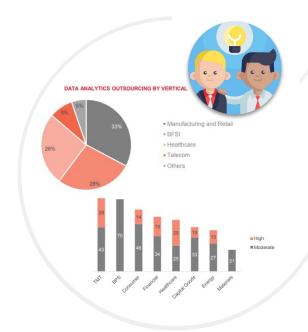


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- Cloud computing market size is expected to grow to USD 623.3 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 18.0%.
- Rising number of internet security and cybersecurity fear in protecting sensitive information and assets is a major concern.
- Requirement of a secure connection, data security & safety, developing unified security models, and correlating between sensor networks is heightened

Source: https://www.ugc.edu.hk/doc/eng/rgc/theme/hall/ppt1.pdf





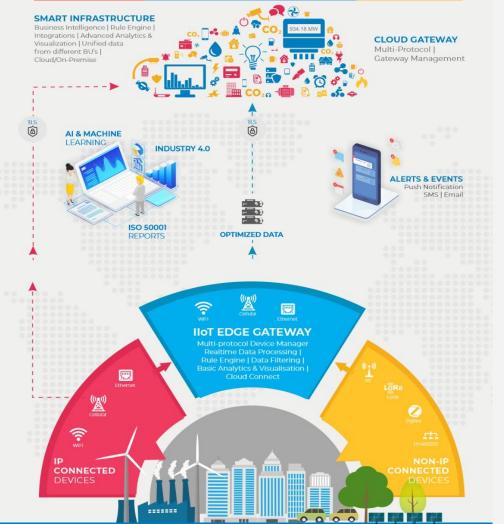
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- Potential industries are aware of the benefits of digitalization and yet utilizes traditional technology.
- High investments on the core infrastructure of an IoT framework such as sensors, actuators, cloud/on premise servers, multiple protocol converter and communication network creates a financial barrier.
- Complexity in understanding technology & limited skilled labor.
- BFSI, E-commerce, Healthcare,
 Manufacturing and Telecom are the
 major verticals having high opportunity
 to transform towards digitalization

Source: https://www.avendus.com: NASSCOM; NASSCOM# KPMG Survey, TMT - Telecom, media and technology, BPS - Business processes and services





You need a platform to overcome the underlying challenges to generate value from the interconnection of physical and digital assets through data & realize technology's full potential.

We would like to introduce an advanced IoT based system **Elmeasure ELNet** that lets you collect & process real-time data and deliver advanced visualization & insights.

How the IoT Platform Fixes Problems in Today's Industry!

Reshape Your Industry with **IoT...**



Leverage IoT to provide visibility, decentralized decision-making & optimize operations, from shop floor to warehouse and throughout the supply chain.

Interoperability between different meters, equipments and protocols is a vital feature being implemented in IoT

Revolutionize operating models with Edge computing by crowdsourcing, filtering, & data abstraction reducing data transmission & storage cost



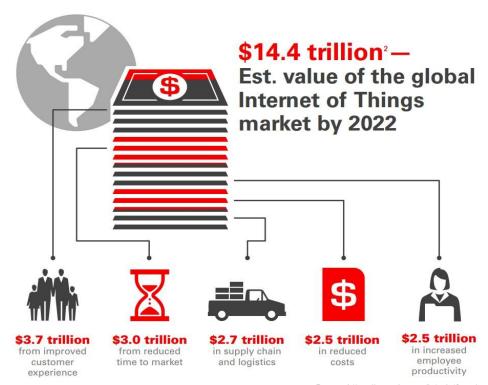
IoT can empower you to create customized dashboards, & reports or augment reality based on streaming data

Multi-layered security platform to safeguard data, devices, & applications against external and internal threats.

Data-centric approach of the IoT allows **Preventive & Fast-track maintenance to** reduce costs and provide operational transparency.



Reshape Your Industry with **IoT...**



Source: https://cerasis.com/iot-platform.

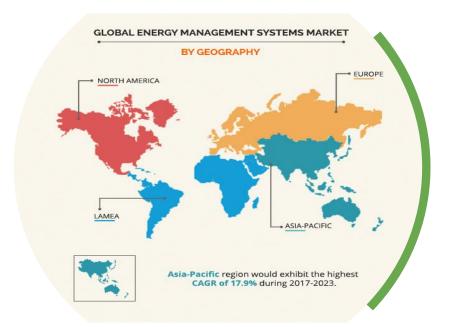


- Industrial Firms has Accelerated their Investment In IoT for better preventative maintenance, improved decision-making & cost avoidance.
- IoT platform provides flexibility, scalability & compliance to perform event correlation, statistics preparation, metric calculation, and analytics.
- Connected technology to yield customized products/services & is all set to transform the value chain and business model of industries in the days ahead.



Global Market for

Energy Management System...



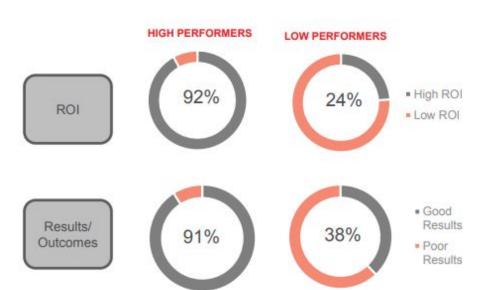


- Energy management system is gaining popularity in global market & is expected to reach \$62.3 billion by 2023, at a CAGR of 13.5% during the forecast period (2017-2023)
- Asia Pacific is projected to be the fastest-growing region for the global big data market with CAGR of 17.9%
- On the other hand, Latin America shows great prospects in this space while Middle East and Africa (MEA) is expected to move toward the growth phase in the next five years.

Source: https://www.alliedmarketresearch.com/energy-management-systems-marketesearch.com/energy-marketesearch.com/en



What can lead to **Significant ROI?**





- DATA VISUALIZATION with Actionable insights can help manage anticipated failures allowing staff to budget and plan, for reduce the upfront cost
- REAL-TIME MONITORING &
 PROCESSING would help in
 preserving assets, keeps things
 running in optimum condition, and
 maximizes life expectancy.
- PREVENTIVE MAINTENANCE can help an enterprise between 12-18% over reactive maintenance. Also, Proper implementation of HVAC would use 15-20% less energy.

Source: https://www.windpowerengineering.com/business-news-projects/42-roi-statistics-that-prove-you-need-a-maintenancemanagement-system/

Source: Oracle, Accenture * Accenture Survey of companies usin analytics, High performers use analytics as part of their strategy



Our

SMART SOLUTIONS





Energy & Process Management

Chemical | Cement | Food | Pharma



Textile Energy & Process

Energy | Process | Audit



Data Center Management

IT Infrastructure



Utility Management System

Electricity | Water | Gas



Street Light Management

Street lights



Water Management System

Residential | Commercial | Industrial

#EnergySaving is crucial.In the world of unlimited need & limited energy resources. A better solution to make the savings renewable is what we should be seeking & we are on it.

25+ Industries are benefited by our Custom solutions.





STALL: H12. D45 (D4511)
DIGITAL ENERGY PAVILION

