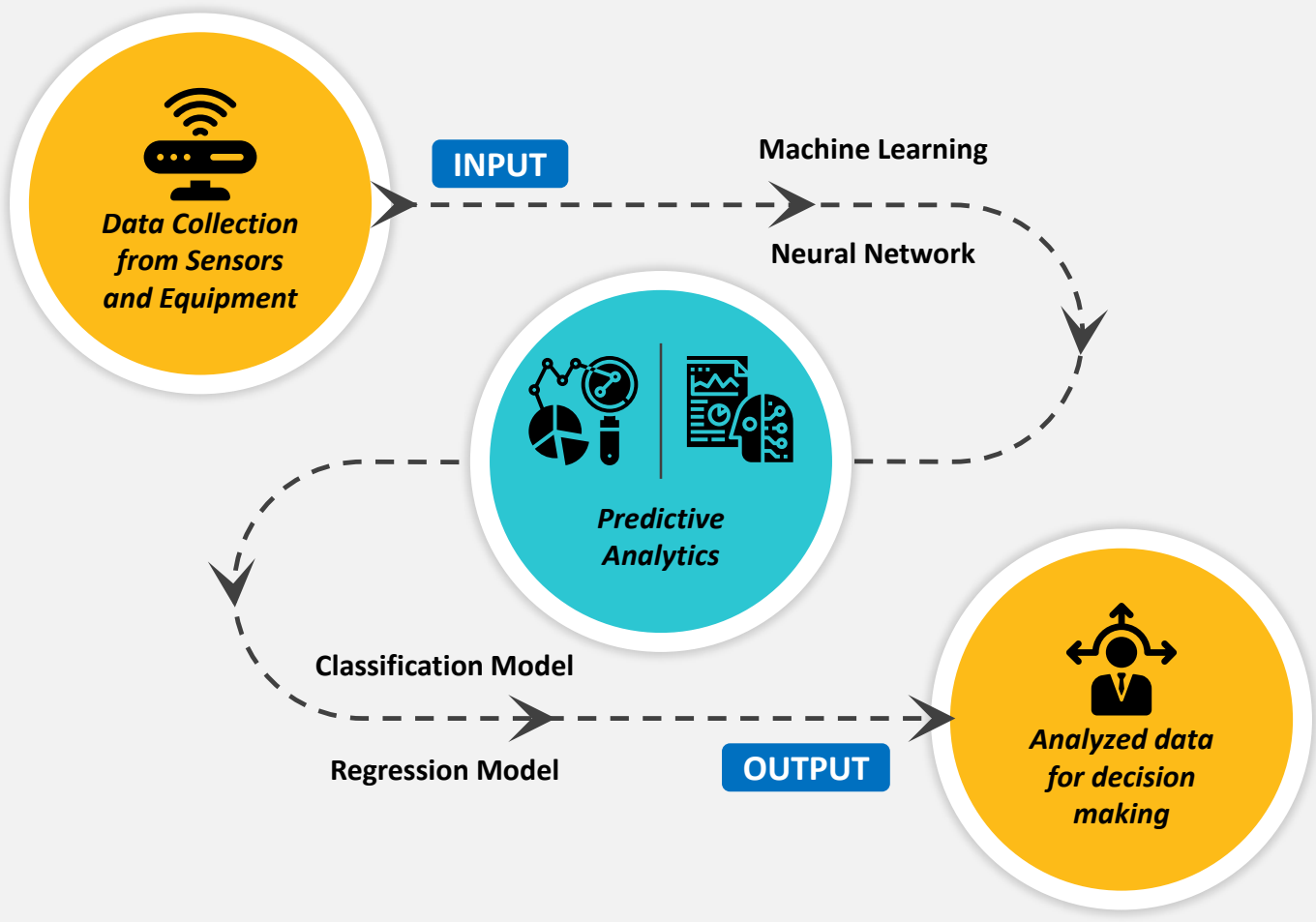


# Predictive Analytics in Utilities Sector

Asset Management, Customer Service and Regulatory Compliance are the key areas which are expected to be enhanced by the adoption of Predictive Analytics in the Utility Sector

Utilities sector is leveraging Predictive Analytics to overcome the current business challenges like rising capital cost, compliance & regulations and increase in global competition



## KEY BENEFITS

- 01** Gathering of Condition Monitoring Data from Equipment for Failure Detection
- 02** Increased Customer Satisfaction and Enhanced Services
- 03** Business Transformation using Actionable Insights
- 03** Regulatory Compliance

|                                      |                                     |   |
|--------------------------------------|-------------------------------------|---|
| <br>Software/ Platform Provider      | <br>SAS Asset Performance Analytics | <br>SAP Intelligent Asset Management solution |
| <br>Microsoft Azure Machine Learning | <br>IBM Maximo APM                  | <br>Spotfire                                  |

Power and Oil & gas industries are the key markets favouring adoption of predictive analytics

### POWER

- Optimizing power consumption by matching the demand and supply of energy from the grid and reducing transmission & distribution losses
- In future, the matching of energy supply and demand will help in providing cost-effective power

**CASE EXAMPLE...**

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### OIL & GAS

- Continuous monitoring of critical and complex components in downstream, midstream, and upstream processes to mitigate risk of component failure

**CASE EXAMPLE...**

- Shell is using AI platform technology for predictive maintenance from C3 IoT and Microsoft Corp.'s Azure to predict when maintenance is needed on compressors, valves and other equipment
- This has boosted the productivity of shell and reduce drill wear-and-tear

## DATAMATICS VIEW

- As per Datamatics' analysis, the integration of 'Advanced Machine Learning and AI' with IoT is expected to create wide scope of opportunities for the utilities sector
- Renewable energy sector offers a lucrative market for predictive analytics as it can provide exact energy forecast and increase the generation capacity by 10%



### ABOUT DATAMATICS BUSINESS SOLUTIONS LTD.

Datamatics Business Solutions Ltd. (DBSL) is a pioneer in providing intelligent Business Process Management (iBPM) services.

Our integrated offerings include; Database Solutions & B2B Marketing, Demand Generation & Sales Acceleration, Business Research, Finance & Accounting Outsourcing, Payroll and Contact Center Services. We leverage emerging technologies like Robotics, Machine Learning and Artificial Intelligence to power human-machine collaboration & enable seamless delivery. As a trusted partner to Fortune 1000 companies; our focus is on driving revenue growth, operational excellence, cost efficiency & customer intimacy for global clients.

We serve customers across the globe and industries like Technology, Banking & Financial Services, Media & Publishing, Events, Manufacturing, Healthcare, Automotive, Retail & CPG, Travel & Logistics and Telecom.

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