



## Adoption of IoT within the Chemical Sector

*Driven by the intent to increase efficiency and profitability, IoT in the chemical sector has the potential to find applications across functions driving better productivity, improved asset utilization and revenue growth*

*Supply Chain Management, Enterprise Resource Planning and Asset Management are key focus areas for IoT adoption*

*Functional areas such as Manufacturing, Marketing & Sales, and R&D have high scope for the adoption of digital strategies and investment in technologies such as IoT, machine learning, etc.*



## Adoption of IoT offers advantages such as

### Enhanced Profitability



- Upscaling of operations
- End to end financial visibility
- Better waste management
- Production network Optimization

### Integrated Supply Chain



- Better control on multiple raw materials and suppliers
- Effectively reach newer markets and geographies

### Innovation



- Faster innovation
- Enhanced offerings & solutions
- Increased productivity

## And drives

01



**Real-Time  
Operational Efficiency**

02



**Extended Situational  
Awareness**

03



**Revenue  
Maximization**

04



**Functional  
Excellence**

## CASE EXAMPLE



### ONE OF THE LARGEST GERMAN CHEMICAL COMPANY

- Developed a kinetic model of its batch expanded-polystyrene process and applied dynamic optimization techniques, leading to a 30% reduction in batch time and resulted in significant energy savings

## DATAMATICS' VIEW



- The chemical industry has been witnessing margin pressure and an increasing need to widen its customer base. IoT within the chemical industry is expected to bring in more efficiencies and help develop better results thereby tackling the issues faced by the sector effectively

For a detailed understanding on the key trends within the chemical industry, please contact [marketing@datamaticsbpm.com](mailto:marketing@datamaticsbpm.com)

### ABOUT DATAMATICS BUSINESS SOLUTIONS LTD.

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