

# Transform Energy Operations with AI-Powered Intelligence

Tailored solutions with AI-driven agents and human experts to enhance operational efficiency, streamline energy supply chains, and improve customer engagement.

The energy sector is rapidly transforming, driven by shifting market demands, digital innovation, and complex supply networks. Companies face the challenge of balancing efficiency with agility while extracting actionable insights from vast data.

RapidCanvas addresses these needs with its AI-powered platform and expert-in-the-loop approach, enabling smarter, faster decisions through advanced analytics and seamless collaboration.

**10x**

faster time-to-value



**80%**

lower costs



**84%**

organizations on track to adopt Generative AI by end of 2025



RapidCanvas results when compared with traditional services-led engagement

**SUZLON**

**100x ROI**

Suzlon saw a 12% reduction in failure expenditures and 20% reduction in engineering expenditures



**Treetech**

**11x ROI**

TreeTech achieved a 30% reduction in engineering operation costs



## Predictive Maintenance

AI detects and predicts failures, identifies defects, analyzes risks of breakdowns, and helps to define proactive maintenance schedules, minimizing downtime and optimizing asset performance.



### Automated failure detection of equipment (wind turbines, power transformers, and hydrogen)

- Forecasted defects and failures for more than 4,000 wind turbines worldwide.
- Reduced catastrophic failures by more than 10%.



### Reliability / risk analysis for power equipment



### Maintenance Optimization

- Reduced maintenance costs by 13%.



### Image analysis for transmission lines

- Reduced image analysis expenses by more than 45%.



## Personal Assistant for Electrical Operations

AI assists engineering operators in managing the electricity sector by providing intelligent recommendations derived from documents and real-time SCADA signals.

### ✓ Operation recommendation

- Finding the best operation set up for the network to maintain network limits.
- Time spent in system operation reduced by 30%.

### ✓ Audio transcription for power system calls and automated report generation

- Reduction in more than 60 % in time spent in reports.



## Resilient Networks

AI analyzes meteorological data and the geolocation of transmission lines to calculate and predict the risk of shutdown, enabling proactive measures to ensure reliability and minimize disruptions.

### ✓ Risk of transmission line shutdown due to fire and other environmental events.

- Reduction in energy supply breakdown by 25 %.



## Energy Market Optimization

AI optimizes energy storage and consumption management.

### ✓ Energy management systems

- Increase in profits by 6 %.

### ✓ Energy generation prediction

### ✓ Battery lifespan optimization



## Financial Operations

AI enhances financial operations by automating processes, detecting anomalies, and providing data-driven insights for better decision-making.

- Reduced vendor payment inconsistencies by 16%.
- Reduced operational costs by 50%.
- Automating the preparation of financial statements.
- Decreased fraud incidents by 20%.



## Solar Farm Operations

AI identifies anomalies and underperformance and gives recommendations like panel replacement, cleaning and others.

### ✓ Cleaning periodicity

- Increased power generation by 10%.

### ✓ Underperformance in inverters

- Reduced maintenance cost by 10%.



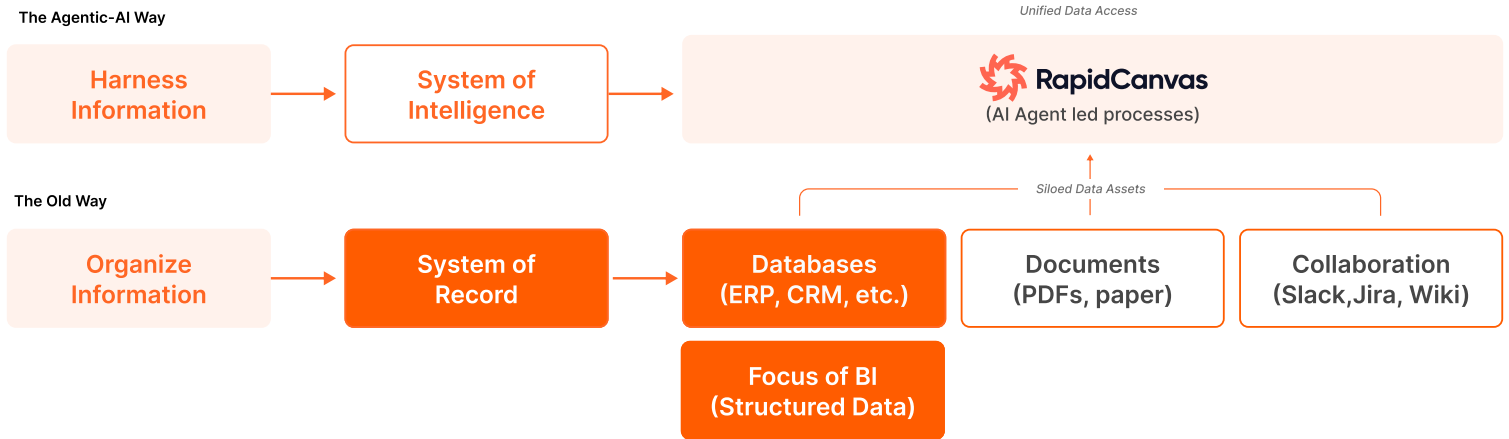
**Suunil Narula**  
CAO, Suzlon



Suzlon is on a journey to use big data and AI to reimagine the future of our business. I am impressed with RapidCanvas as a disruptive AI platform that has streamlined the journey from idea to prototype to production. Their platform is user-friendly, and their AI solutions for wind turbine use cases meet our business needs precisely.

# Key RapidCanvas Differentiators

## Get Intelligence At Your Fingertips - Any Data, Any Source, Any Format

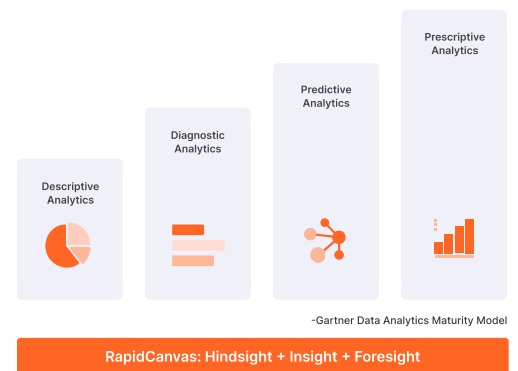


90% of organizational information resides in unstructured data sources, such as Excel files, PDFs, Word documents, Slack messages, and internal wikis—data that isn't stored in traditional data warehouses or databases. Traditional BI tools like Power BI are limited in their ability to incorporate this unstructured information into analysis, insights, and decision-making.

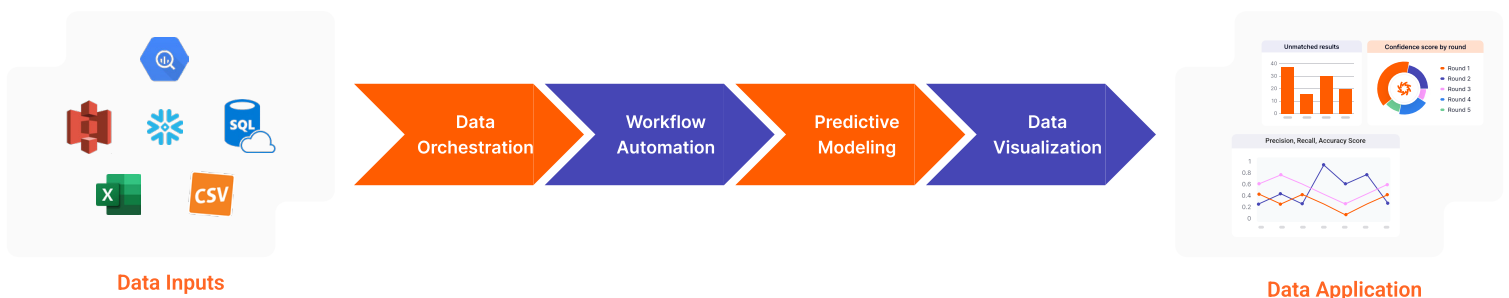
RapidCanvas is designed to bridge this gap by enabling access to both structured and unstructured data, providing a holistic view of your organization's information.

## Gain Full Coverage Of The Analytics Maturity Spectrum

Gartner outlines four stages of analytics evolution for organizations: Descriptive Analytics focuses on what happened (hindsight), Diagnostic Analytics explores why it happened (insight), and Predictive and Prescriptive Analytics focus on forecasting future outcomes and influencing them (foresight). While traditional business intelligence tools primarily deliver hindsight, RapidCanvas empowers organizations by offering a complete spectrum— hindsight, insight, and foresight.



## Manage the End-To-End Data Journey



RapidCanvas enables comprehensive, enterprise-grade solutions that cover the entire data lifecycle, enabling seamless data orchestration, workflow automation, predictive modeling, and data visualization.

# Rated highly by independent research and reviews

Ranking Amongst

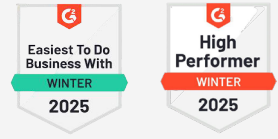
# Top 200

Data Science and Machine Learning Companies Worldwide

## #1 in Key Categories

- ✔ Partnership excellence
- ✔ Scalability
- ✔ Application versatility
- ✔ Ease of use

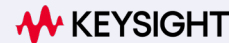
## #3 in Overall Customer Satisfaction



**Gartner.**  
Peer Insights™



From Fortune 500 companies to mid-market leaders, AI visionaries trust RapidCanvas



## Partners in Our Success



## Backed by Leading Investors



## Meet the team behind RapidCanvas

The RapidCanvas team brings together subject matter experts, researchers, engineers and operational leaders who have been part of the evolutionary journey of the AI landscape for the last 20 years.

The Leadership team brings together experience from across successful startups and technology market leaders and has been part of 5 IPOs.

Visit [rapidcanvas.ai](https://rapidcanvas.ai) for more information or follow via

