

End-to-End battery analytics control platform, and methodology designed to rapidly improve battery cell manufacturing



exensio®

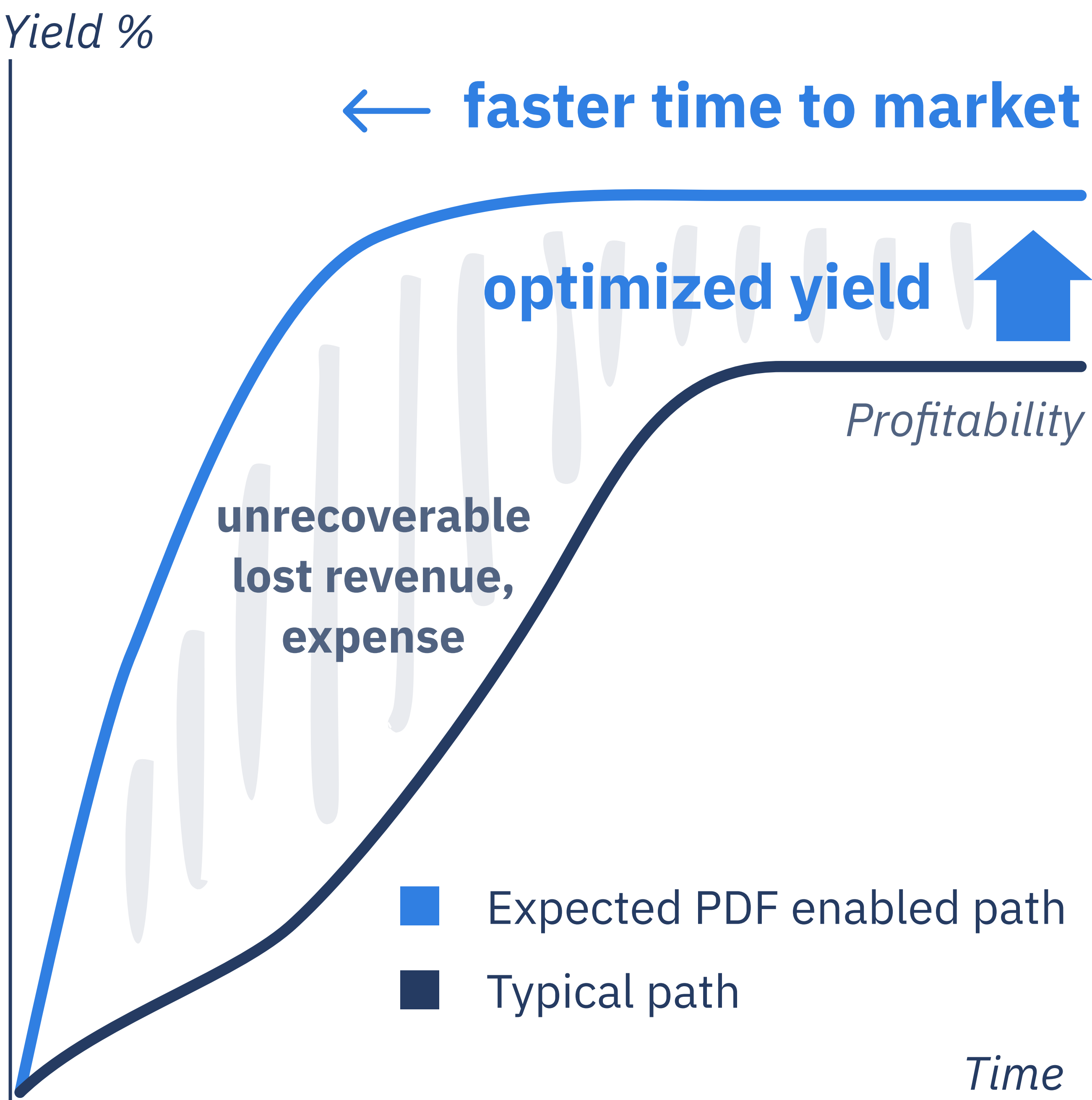
Battery Solution

Solutions Highlights

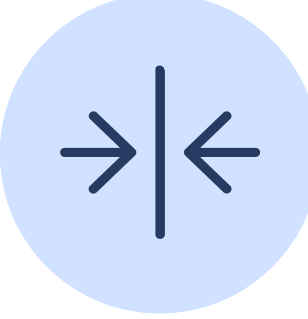
Addressing the Battery Cell Manufacturing Challenge

A **four-year ramp** of battery cell facility means **billions in additional capital burned** for every new factory, and even a few percent yield improvement at an existing factory can deliver **hundreds of millions more revenue** per year.

PDF is taking its **30+ years** experience of semiconductor **process control** and **yield improvement** to battery manufacturing to help solve this problem.



Collect & organize manufacturing-related data



Align & harmonize data types across processes, lines, & products



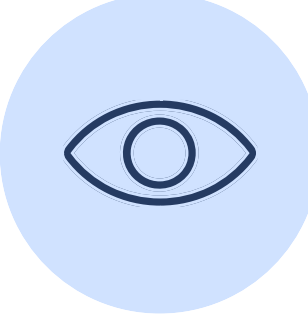
Manufacturing analytics for root cause diagnostics



AI/ML assisted extraction of key characteristics from data



Low-cost & effective tiered data storage



Optical inline vision inspection system for defect detection



ERP connection for financial & planning applications

Problem with Status Quo

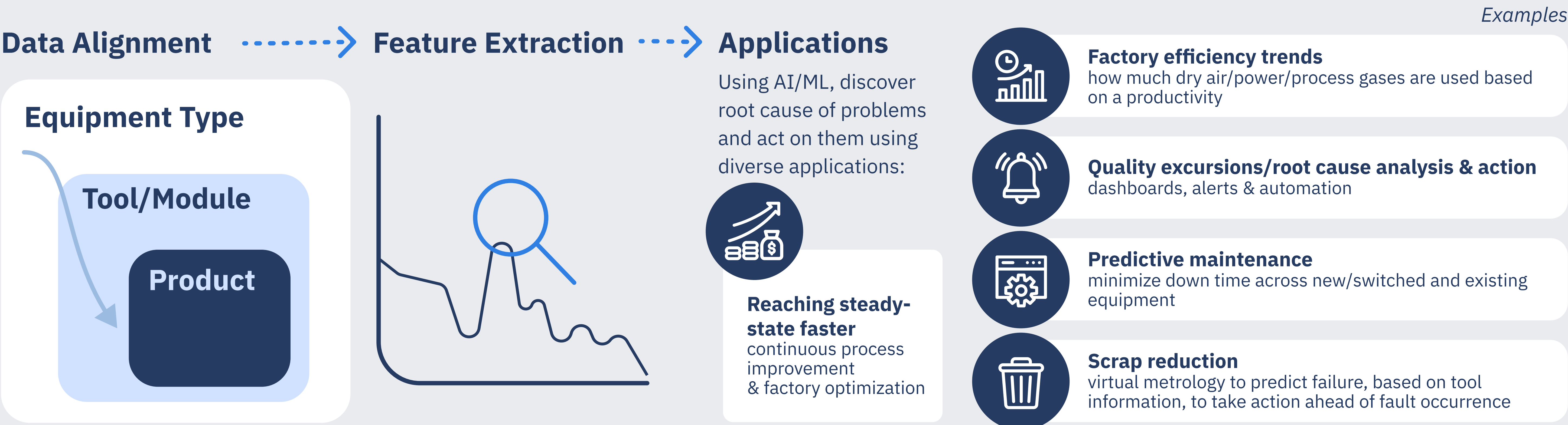
Tackle the chaos of battery manufacturing with our **Exensio Analytics Platform**. We streamline messy data, pinpoint elusive problems, and cut down on production iterations. Our software optimizes processes, improves yield, and reduces scrap ensuring safety and efficiency in the field. **Say goodbye to data headaches and hello to manufacturing excellence.**

How it Works

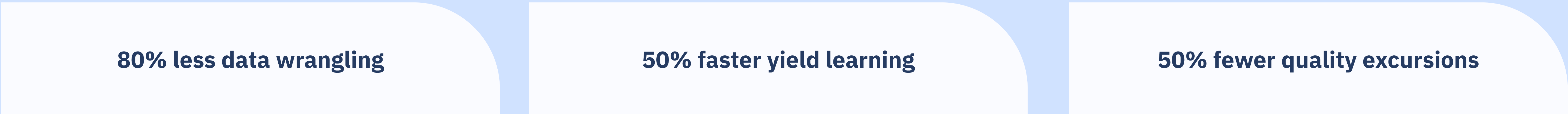
Combine factory information to detect & diagnose root causes of issues



Model to Align & Act on Your Data



Industry 4.0 Battery Factory Analytics Platform



results based on typical Exensio customers

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*Tibco Spotfire required for visualization