

The background is a dark blue-tinted industrial scene featuring various mechanical parts, gears, and machinery. A prominent feature is a large, glowing green double-circle logo that partially overlaps the word 'Acerta'.

# Acerta

**Driven by data science  
and forged from  
industrial experience**



## About Us

It began with machine learning (ML) algorithms developed by our co-founders – Greta Cutulenco, Sebastian Fischmeister, and Jean-Christophe Petkovich – in the world-renowned engineering laboratories at the University of Waterloo. Their collaboration resulted in LinePulse, a suite of SaaS solutions.

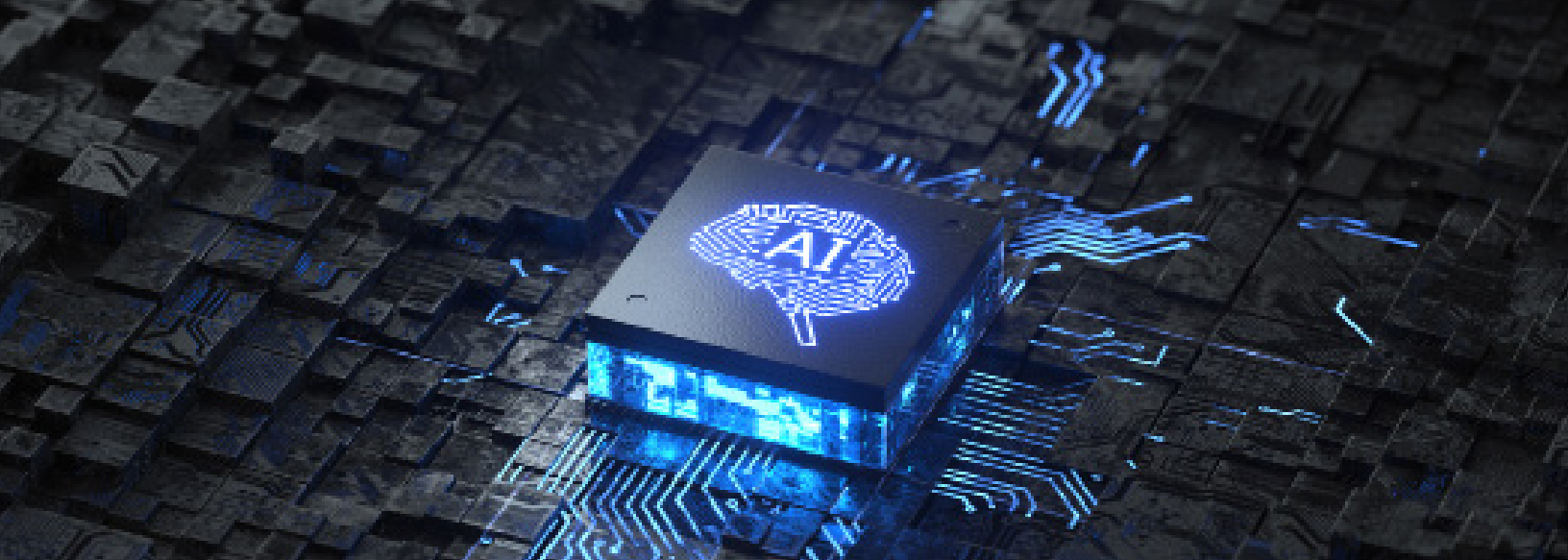
These solutions were developed specifically for automotive, e-mobility, and off-highway vehicles, and battery and fuel cell electrification.

Out of LinePulse, Acerta Professional Services: customized solutions developed according to customer data and specific needs.

These services leverage our team's domain expertise acquired through years of working on machine learning and artificial intelligence (ML/AI) solutions for automotive and off-highway vehicle manufacturing.

*Acerta helps precision manufacturers turn complex product data into actionable insights*





# Solutions

## LinePulse

Our LinePulse product enhances data understanding across the manufacturing line to accelerate root cause analysis and improve first time yield.



### Anomaly Detection

- Machine learning monitors for abnormalities in real time
- Configure real-time alerts so you can focus elsewhere



### Capability Metrics

- See how the data has changed over time
- Explore data without the burden of data engineering



### Root Cause Analysis

- Identify the origin of hard-to-troubleshoot problems
- Locate the causes of defects with greater accuracy

## Acerta Professional Services

Solve issues previously thought too challenging to solve by leveraging our domain expertise in automotive engineering, data science and machine learning/artificial intelligence (ML/AI).

Our services can help you:

- Eliminate data silos for a holistic analysis of product data.
- Identify hidden insights that are relevant and actionable.
- Uncover data-driven optimizations that lead to cost savings.
- Accelerate failure analysis.
- Identify early indicators of future product failures.

Consequently, we deliver results in weeks, not months





## How It Works

Our extensive, proprietary anonymized database of automotive products, processes, and failure modes gives our data scientists a head start on any dataset.



- A ready-to-use model that leverages your data to accomplish a target goal (like predicting a parts failure or optimizing a specific process).



- Development of a complete deployable solution that leverages your data and can be available to you afterward.



- Evaluation of your dataset and recommendations for improvement of data quality.

## Results Our Customers Have Seen

**65%↓**

Reduced failure and rework rates

**40%↑**

Improved defect detection for faulty transmissions

**50%↓**

Reduced fuel cell testing time to increase throughput

