# AI Solutions for Automotive Parts Manufacturing

**Accella AI**

## Our Products and Services at a Glance

### DATA SCIENCE

**Data Science – Providing the Practitioner's Perspective**

- Selection of best machine learning algorithms based on domain expertise in manufacturing
- Models improve over time as algorithms encounter new data, variances and corner cases
- Complemented by classical statistics and machine vision
- Simple, user-friendly GUI, appropriate for manufacturing personnel, e.g. engineers or operators
- Combine algorithms to solve complex operational process scenarios.
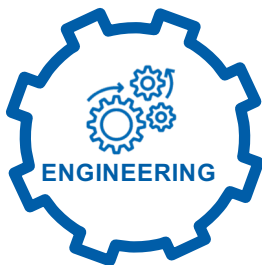
### ENGINEERING

**Engineering – Complementing AI with Hardware Expertise**

- Selection of hardware, e.g. cameras, sensors, tailored to the project
- Custom mounts, brackets and enclosures for AI appliances in the plant
- Robust solutions engineered to German quality standards that withstand even harsh environmental conditions
- Scalable to 1,000s of transactions per minute based on AI Bot configuration
- Combined data science and engineering expertise results in shorted timeline for proof of concept and project deployment
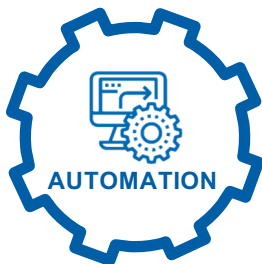
### AUTOMATION

**Automation – AI on AI**

- Automated security patches and upgrades of algorithms and models
- Master AI Bot monitors AI Bot instances on the lines and updates them as needed
- Automated reconfiguration of a new AI Bot in case of failure of an existing AI Bot
- Roll-out to multiple lines/plants is supported out of the box
- Design workflows to capture, predict, import or export data, images, etc.
- User interface for monitoring options for operators and self-diagnoses of bots

### INTEGRATION

**Integration – Connecting AI to OT and IT**

- Standard adaptors for ERP (SAP), PLCs (Siemens, GE, Rockwell, etc.), databases (Oracle, MS SQL, PostgreSQL, etc.) and Cloud services (AWS, Google, MS Azure)
- Multiple AI Bots can cooperate to address complex scenarios
- Support for generic web service interfaces, OPC/UA and file transfer protocols (FTP, SMB)

## Contact Us

**Accella AI**

Uli Palli, CEO
+1-408-887-9340, uli@accellagroup.com

Tina Baumgartner, VP of Business Development
+1-510-508-8462, tina@accellagroup.com