Welcome!
The presentation will begin shortly

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DELIVERING POWER
THAT MOVES THE WORLD.
Global tier 1 automotive supplier
Headquartered in Detroit, Michigan

$7.27B  2018 SALES
22,000+ ASSOCIATES
700+ CUSTOMERS
17 COUNTRIES
80 APPROX. LOCATIONS
60+ MANUFACTURING FACILITIES
16 ENGINEERING CENTERS
History Timeline

For over 25 years, AAM has been Delivering POWER.

- **March 1, 1994**
  - Acquired GM’s Final Drive and Forge Business Unit leading to the formation of AAM

- **1994-1998**
  - Operational improvements and establishment of AAM culture

- **1999-2005**
  - Capacity expansion and selective globalization

- **2006-2010**
  - Restructure, Resize, Recover

- **2011-2016**
  - Profitable global growth and diversification

- **2017-Present**
  - Strategic actions enhance scale, product portfolio, and financial profile
Company Overview

COMPREHENSIVE SOLUTIONS
from engine to driveline.

Focus on

- Quality,
- Operational Excellence
- Technology leadership

AAM delivers **POWER** that moves the world.
Diverse Product Portfolio

Product portfolio that serves the global automotive market

**DRIVELINE | \(\approx \$4.9B\)**
- Balance shaft systems
- Clutch modules
- Driveshafts
- Differential Assemblies
- Electric drive units
- Front & rear axles

**METAL FORMING | \(\approx \$2.0B\)**
- Axle / transmission shafts
- Connecting rods
- Differential gears
- Ring gears & pinions
- Suspension components
- Variable valve timing products
Digital & Analytics Department Goals

- **Visionary**
  - Stay on top of emerging technologies to adjust technology foundation over time

- **Speed**
  - Immediate response to business partner needs.

- **Alignment**
  - Tight alignment between business and technology roadmaps

- **Automation**
  - Reduce manual effort to automate solution for business partners and for IT

- **Visibility for Better Decision Making**
  - Do more to drive insights from of AAM’s data for improved decision-making
AAM’s Digital & Analytics Journey

DELIVERING POWER.

30 + Analytics Applications Running Across Several Business Functions

2012
OBIA & OBIEE With Focus on Sales, Finance and Procurement

2014
Capacity Planning & Global Sales Analytics

2016
Plants’ Capability Equipment Redeployment

2017
Warranty, Quality & Scrap Reduction Analytics

2018
AI / ML Hadoop Big Data Discovery

2019 - Present
Platform Modernization (Snowflake for data accessibility & Power BI for advanced analytics)

Moving at the Speed of Business with Compute Linked to Business ROI
Modernize Platform & Make Data Accessible

- Boost for existing analytics performance
- Identify the consolidation approach
- Technical Source Consolidation ‘as-is’
- Logical Source Consolidation ‘integrated’
- Modernize Data Analytics Toolkit
- Make it accessible
- The Data Platform

- Analytics 2.0
- Analytics 3.0
- Analytics 4.0

- Architecture Design
- Data Consolidation
- Agile Engineering Practices
- Training
- Templates, Patterns
- Self-service prototyping
- Governance
Cloud Data Platform - Snowflake

- Streamlined Data Engineering
- Faster, Easier Data Preparation, Ingestion, and Computation for Data Science
- Superior Performance - Makes Fast Insights Possible on Large Amounts of Data
- SAAS Platform = Automation vs. Manual Administration from IT
- Direct Alignment of Platform Costs to Business Projects
- Support Digital Platform Goals (Public Cloud) & Cross-Cloud Provides Future Flexibility
Thank you for attending!

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