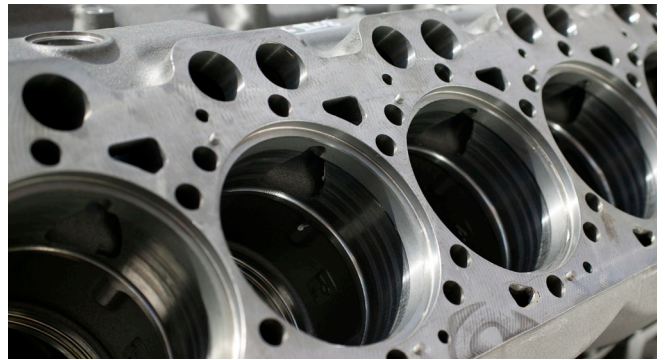# OPERATIONS INTELLIGENCE FOR FOUNDRY

TRANSPORTATION & MOBILITY

Improve Fabrication Efficiency & Quality

DELMIA's Operations Intelligence for Foundry solution enables producers in the Transportation & Mobility industry to make manufacturing processes more predictable, maximize production and quickly ramp-up new product introductions to meet volume and quality targets.
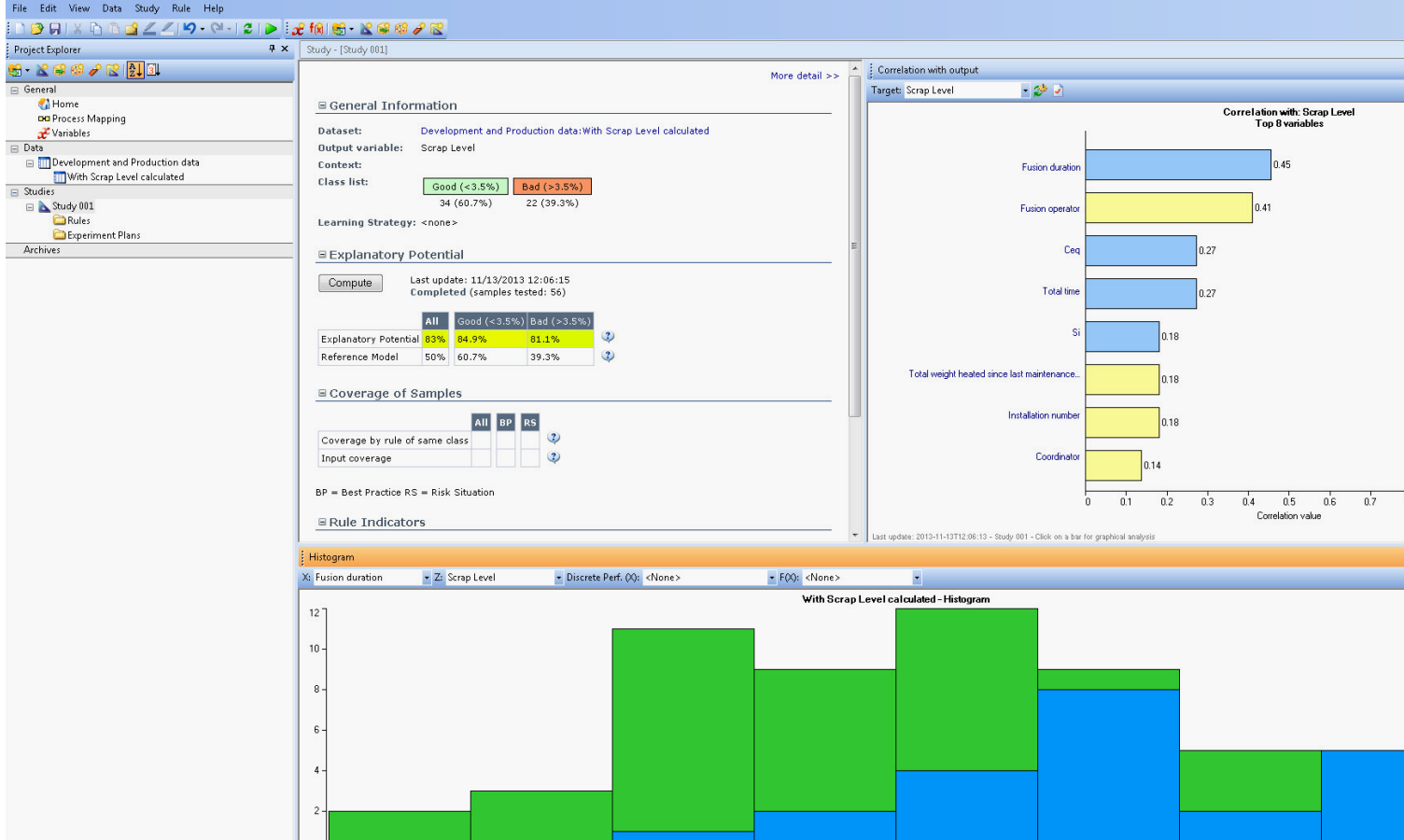
DELMIA's Operations Intelligence for Foundry is an innovative solution to ramp up new products faster, reduce scrap rate in daily production and capture best practices for parameter adjustments based on a full understanding of the foundry process. Patented algorithms search for patterns in production process and quality data to discover hidden relationships and provide explanation for deviations of any previously unexplained defects. Rules to improve quality and increase production rates are extracted from the analysis and can be used by process experts without requiring knowledge in math and statistics.

Evaluate the influence of foundry process parameters to quality.

Qualify key parameters of the foundry manufacturing process.

INDUSTRY CHALLENGES

• How to understand and prevent manufacturing defects?

• How to reduce pre-production time and reduce scrap rate?

• How to capture manufacturing knowledge and establish continuous process monitoring and improvement?

SOLUTION HIGHLIGHTS

• Gather material, process and quality data linked with performance targets

• Evaluate and understand the influence of foundry process parameters on quality

• Extract hidden root causes of failure from production data

• Qualify the key parameters of the foundry manufacturing process to prevent defects

• Reduce the number of iterations before selecting the right process parameters

• Implement a closed loop continuous improvement process

SOLUTION VALUES

• Reduce scrap for products in production

• Minimize time-to-market when introducing new products

• Formalize foundry process knowledge

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Europe/Middle East/Africa
Dassault Systèmes
10, rue Marcel Dassault
CS 40501
78946 Vélizy-Villacoublay Cedex
France

Asia-Pacific
Dassault Systèmes
Pier City Shibaura Bldg 10F
3-18-1 Kaigan, Minato-Ku
Tokyo 108-002
Japan

Americas
Dassault Systèmes
175 Wyman Street
Waltham, Massachusetts
02451-1223
USA

Visit us at
3DS.COM/DELMIA