



Emit Member Update

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Achieving competitive excellence in REACh

**Complete and comprehensive
engineering data flow map**

**Project plan to build
data sharing infrastructure**

**Analysis of data
requirements &
business process map**

PROJECT PLAN

Objective:

Implement materials information and data management to support critical P&W decisions related to environmental legislation and environmental impact by making data

- available at one place
- manage it so it is accurate, secure and traceable
- share it when, where and in the format that is needed
- analyze it to support key decisions

Project Scope:

This project will identify, implement and develop necessary tools to

- Manage the non-compliance risk consistent with current and anticipated legislation and
- Enable designers to incorporate up to date information regarding the restricted substances in the early design stages and assess the environmental impact at every stage of product lifecycle

Product Scope (Phase I):

- P&W restricted substances database (RSDB) and analytical tools to enable Materials of concern deviation reporting (includes specifications of concern).
- Rules and process for ITC review and marking of P&W RSDB data
- Data and workflow gaps and inconsistencies identified to enable Phase II planning.

KEY PROCESS ELEMENTS

P&W Materials Portfolio

Product design & development

Product portfolio

Materials & Processes



Assess substance risk in M&P portfolio



Risk mitigation (e.g., substitution)



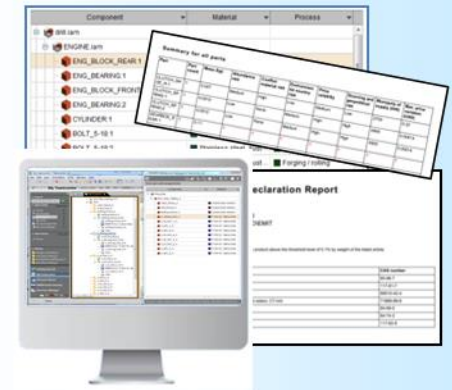
Materials & Process Specifications

Design



Avoid restricted substances during design (E.g., BoM analysis in CAD)

Product Stewardship



Reporting on compliance (E.g., BoM analysis in PLM)



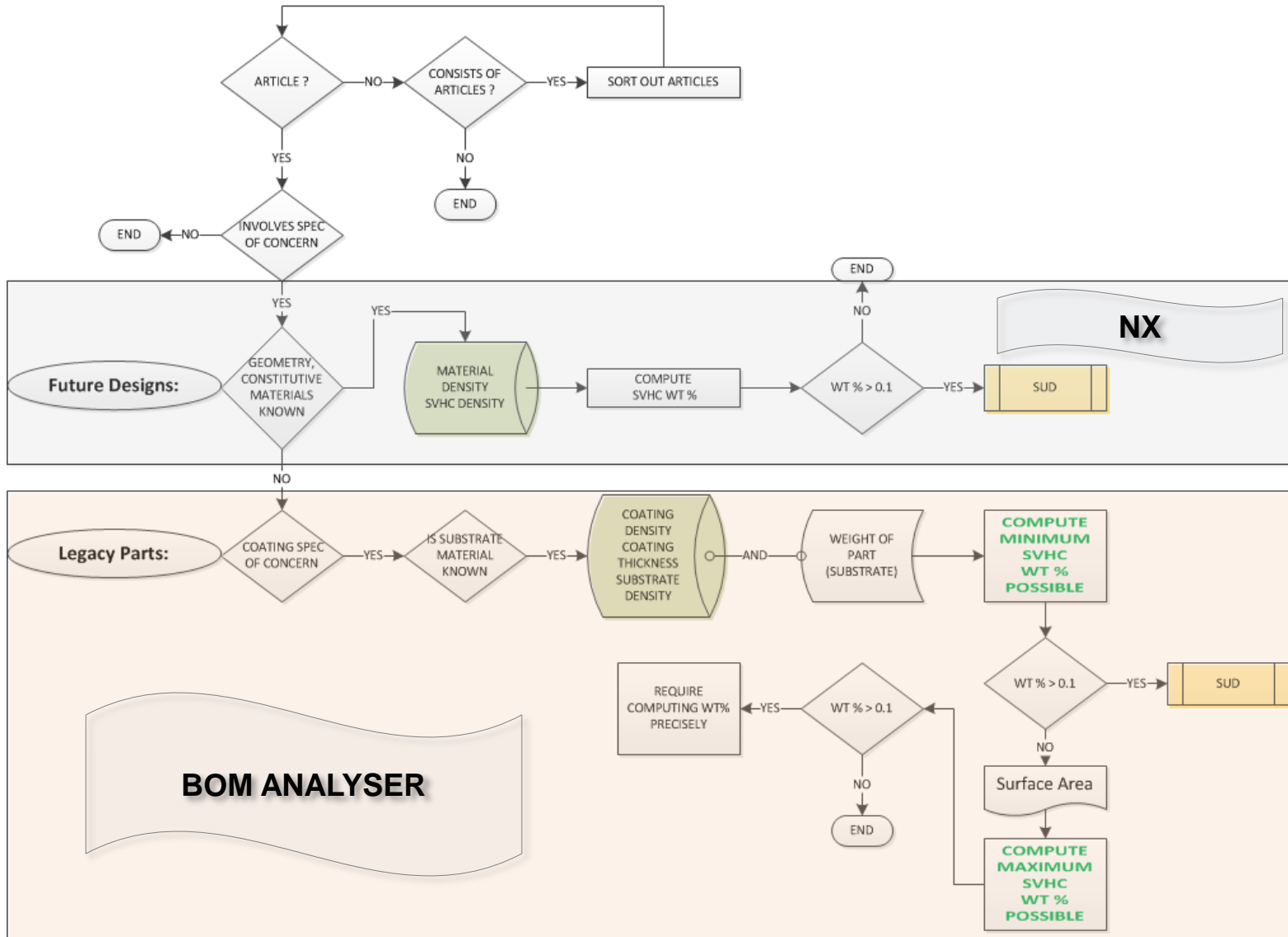
Weight Data (E.g., Weight Analysis)



<https://www.grantadesign.com/products/mi/system.htm>

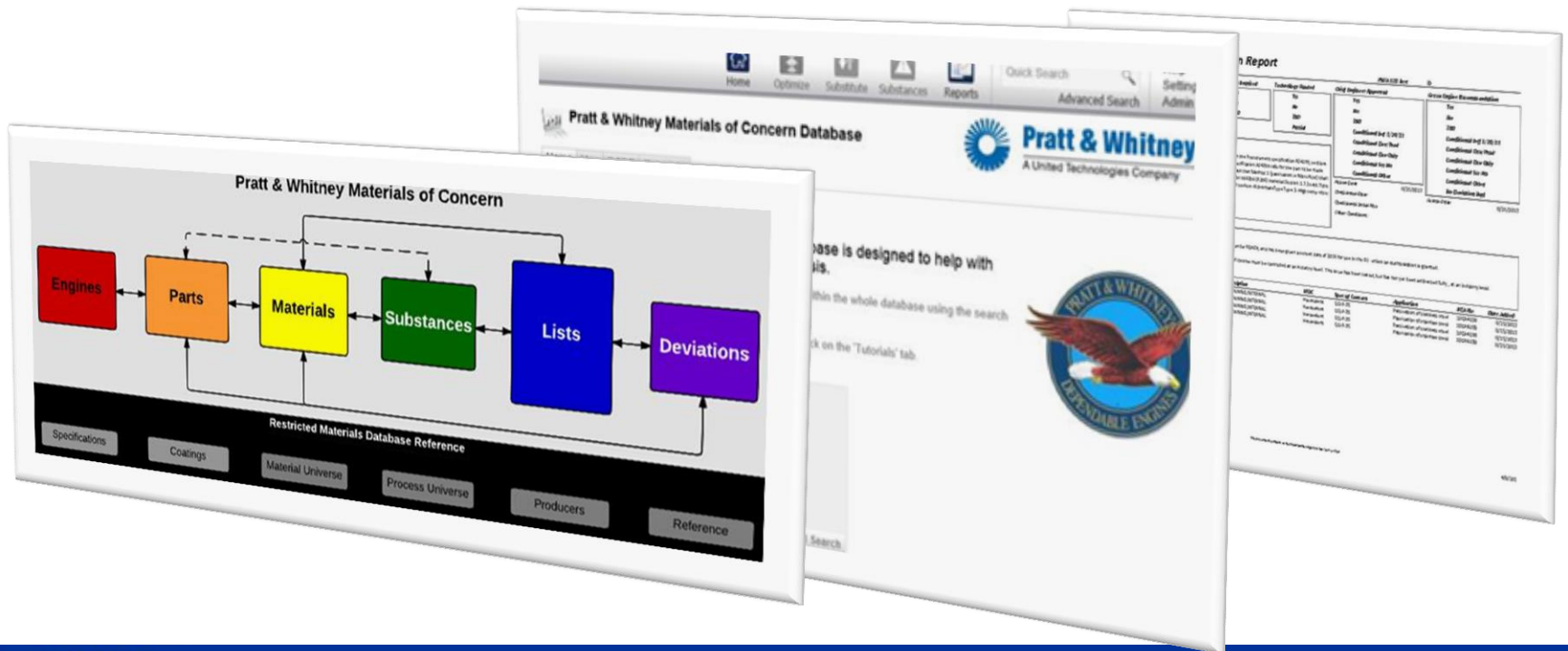


WEIGHT CALCULATION PROCESS



Implementation Status

- 8.1 version latest update
- Deviation data import and document generation is set up
- Importers for Engine and Parts table enabled, data gaps and validation in process
- Data exploration with mi explore



Implementation Future State

- Federated Data Exchange Infrastructure
 - Existing tools remain in place
 - Enable the sharing of information among different systems

