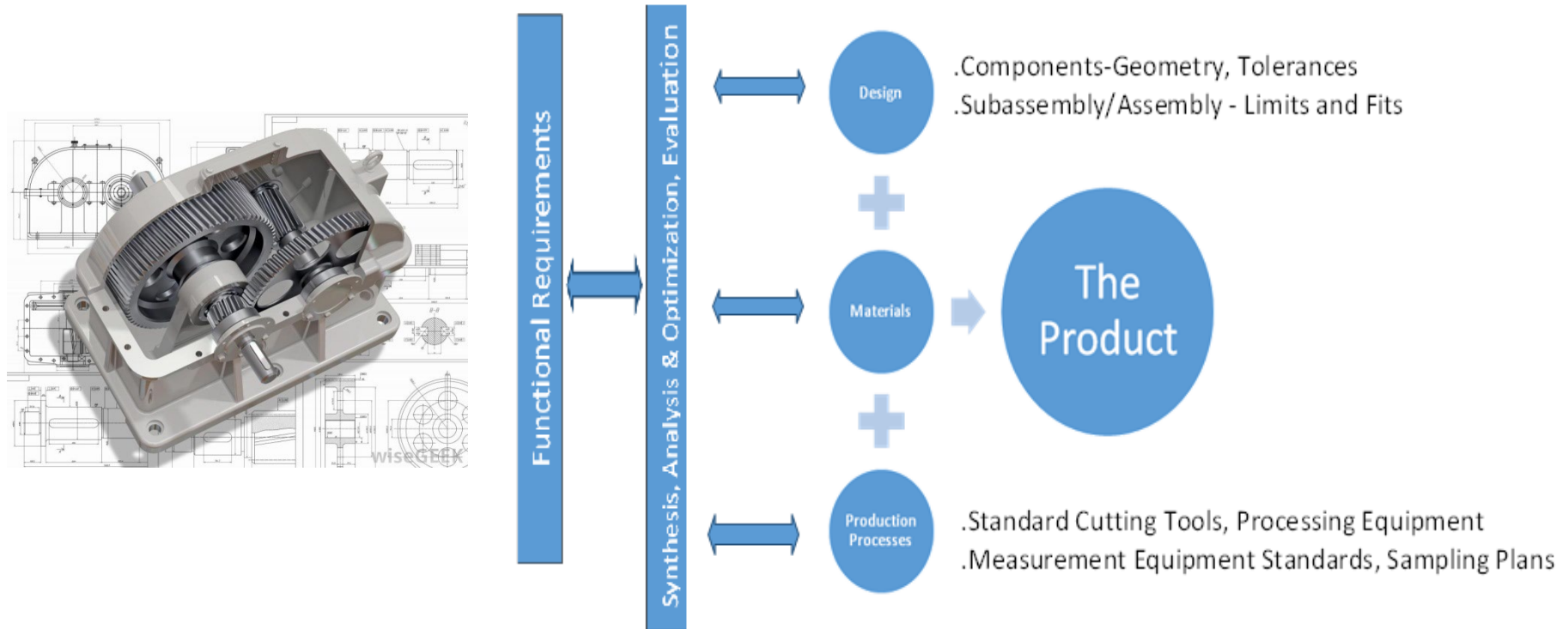


Impact of Documentary and Measurement Standards and Standardization on Product Development

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Goals

- Implementation of documentary and measurement standards and standardization in mechanical engineering design, manufacturing and inspection processes.



Goals (contd.)

- Short term goals (12-24 months)

Develop more case studies on the implementation of codes and standards in other areas of Mechanical Engineering, viz., Fluids and thermal sciences, fasteners (permanent and non-permanent) and other power transmission elements.

- Long term goals (2-5 years)

Advocate teaching codes and standards in ME curriculum both inside and outside the University of Hartford

Offer training to practicing engineers on codes and standards

Train the trainers on codes and standards

Proposed Communication Plans

- How is the information shared within and outside of your organization?
 - a. Offer training and short courses to practicing engineers on codes and standards
 - b. Train the trainers on codes and standards
 - c. Share case studies on the usefulness of codes and standards within and outside the department
 - d. Develop open access web-based e-learning instructional material
 - e. Promote through Center for Metrology Industry Advisory Board
- Disseminate the information?
 - a. Short courses and workshops
 - b. Conference papers and presentations at ASME, SME and ASEE
 - c. Talks at local chapters of technical societies, ASME and SME.

Evaluation

Performance Objectives	Evaluation Instrument	Performance Criteria
Number of courses using Standards	Syllabus	Minimum three courses in curriculum
Diversity of SDO's in program	Syllabus	Minimum three SDO's
Number of students in courses	Enrolment	25 for project period
Standards Related Peer Reviewed Conference Journal Publications	Listing of Papers and conferences	Minimum 2 in the grant period
Short courses	Topic Duration and Number	20 hours of instructor time 50 person-hours of participant attendance
Breadth and Depth of Standards Implementation	Student/participation/IAC survey	7 in a scale of 10
Extent of Standards Application (Bloom's Nomenclature)	Examination/Projects	3 in a scale of 4

Outcomes

- Did you meet your stated goals and objectives?

works in progress

- Qualitative and Quantitative Outcomes
 - seminars, learning resources and/or courses offered
 - number of students affected
 - teaching materials created and maintained
 - other organizations impacted
 - change/increase in your organization's priorities with regards to standards and standardization education
 - etc.

works in progress