

PHM System Functional Architecture Synthesis

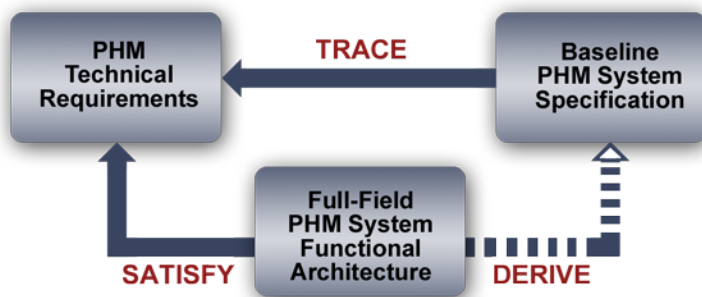
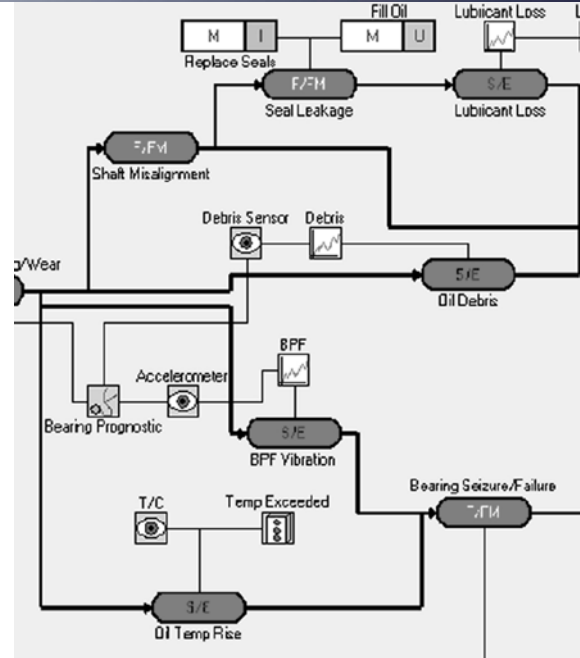


Synthesize a highly-tuned PHM Solution

Unlocking the full benefit of a Prognostics and Health Management (PHM) system requires that the system's functional architecture be matched to the enterprise it supports. To ensure the proper fit of a PHM system and the enterprise it supports, Impact Technologies employs leading systems engineering management and systems engineering techniques. Through these techniques a PHM solution is specified that satisfies the PHM Technical Requirements without duplicating capabilities provided by existing architectures within the enterprise.

Systems Engineering Management of the PHM Solution

As with any system, a PHM System is a composite of products, people, and process. A PHM solution therefore extends beyond the advanced diagnostic, prognostic, reasoning, and optimization routines that make its core to include the people, processes, and external architectures with which the PHM system will interface. To ensure the proper fit between PHM Solution and the receiving enterprise, Impact Technologies applies a rigorous Systems Engineering and Systems Engineering Management process to identify PHM system requirements for a given application to ultimately synthesize a highly-tuned PHM Solution.



Impact Technologies PHM System development experience can be brought to bear to ensure the requirements definition of the PHM System is both complete and coherent.

impact-tek.com

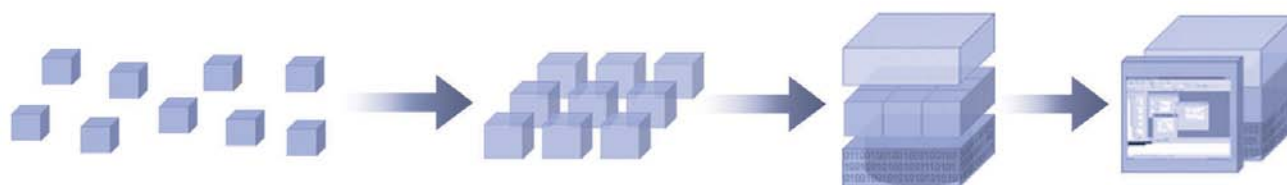
© 2010, Impact Technologies, LLC

**Headquarters
New York Office**
200 Canal View Boulevard
Rochester, NY 14623
Phone: 585.424.1990
Fax: 585.424.1177

Pennsylvania Office
270 Walker Drive, Suite 200W
State College, PA 16801
Phone: 814.867.5122
Fax: 814.867.7550

Georgia Office
75 Fifth Street NW, Suite 312
Atlanta, GA 30308
Phone: 404.526.6188
Fax: 404.526.6189

The Full-Field PHM Functional Architecture ensures the implementation of a PHM System that provides a PHM service-set that uses existing services without creating duplicate capabilities. Depending on the capabilities of existing services within an enterprise, synthesis of the PHM System's Implementation Architecture can range from the addition of individual PHM components to a full end-to-end PHM system. Impact Technologies' process for the synthesis of PHM Systems ensures that the PHM solution is delivered in a form of greatest value to the targeted enterprise.



Regardless of whether an enterprise needs a just few PHM components, a complete PHM System Engine, or an entire end-to-end PHM capability, Impact Technologies' Systems Engineering Management and Systems Engineering processes ensure that the ultimate PHM solution will satisfy the technical need and maintain compatibility with existing enterprise capabilities.