

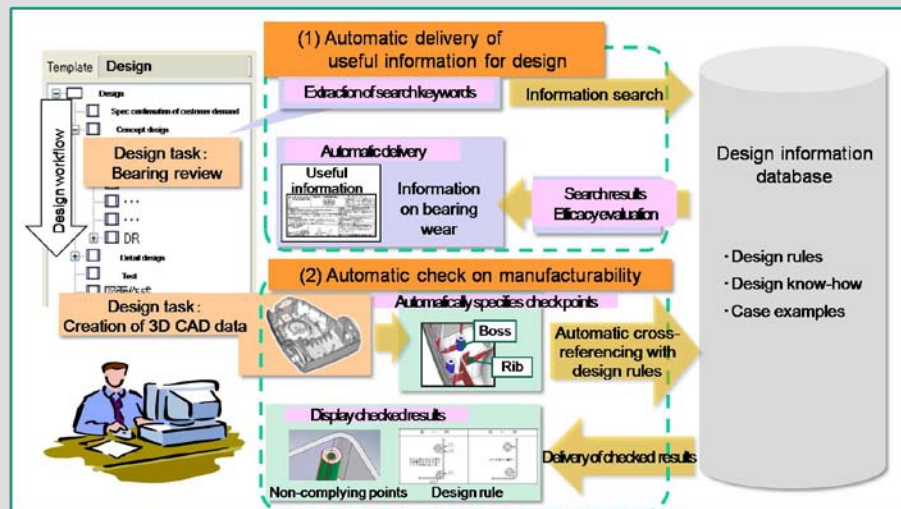
## Information and communications field

Mechanical Engineering Research Laboratory  
Advanced Simulation Center

Hitachi, Ltd., website [6<sup>th</sup> October 2010 News Release] <http://www.hitachi.co.jp/New/cnews/month/2010/09/0906.html>

### Development of a design awareness support system which automatically provides useful engineering information from product development databases

Reported on 7<sup>th</sup> September (Tue) in The Nikkei (p. 11)



Hitachi, Ltd. has developed a design awareness support system which automatically provides useful engineering information from product development databases; extracting useful information on design from past product development cases and delivering the information to designers.

This system calls to designer attention on the must-check points at each phase, and by using an automatic cross-check function between design data and rules, minimizes the need for future design modification thus contributing to greater efficiency.

#### ■ Characteristics

- ◆ Automatic search and delivery of useful information for design

Technologies to extract keywords relating to design tasks and assess the usefulness of search results to the current tasks were combined for quick delivery of useful information.

- ◆ Automatic check of design data

Points which need to be checked such as “structure difficult to produce” are picked up from the design data created with a 3D CAD system.

#### ■ Plan

This system will be applied to the design of IT equipment such as servers and household appliances.

#### ■ Conference presentation

The system will be presented at the Forum on Information Technology 2010, from the 7<sup>th</sup> September.

#### ■ A word from the development team

We are planning to commercialize this system as a business solution for manufacturing industries after Year 2012.