



PLM Diagnostic Detailed Results

Appendix to PLM Challenges and Benefits report



Introduction

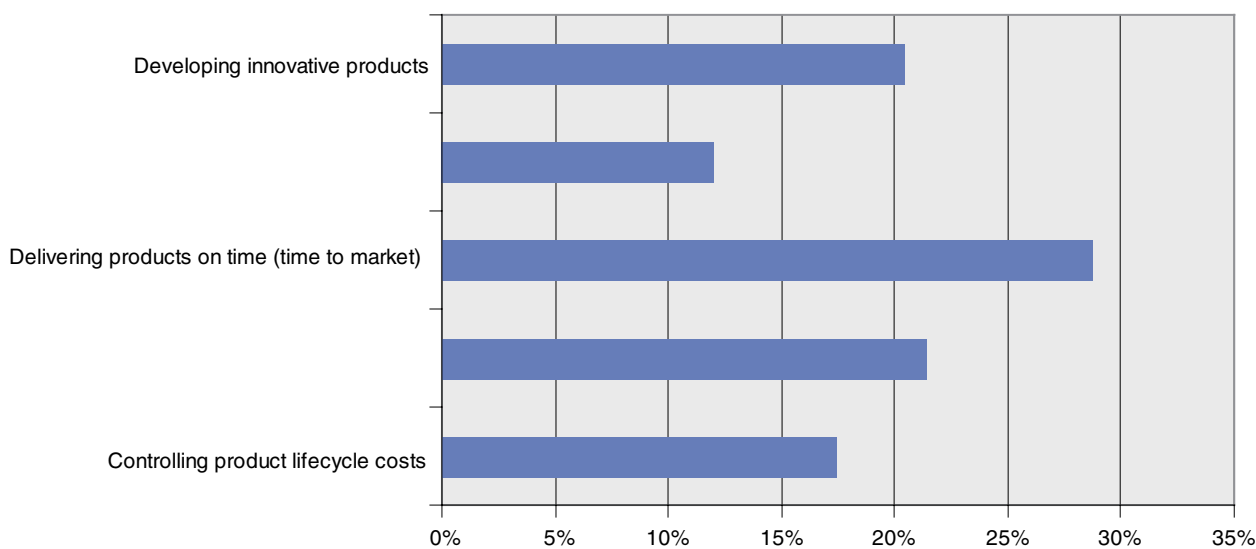
The IBM PLM Diagnostic is a free, Web-based, interactive tool that navigates a user through 25 PLM questions (please visit: **ibm.com**/solutions/plm and look for the Diagnostic Tool icon). Upon completion, the tool provides each user with a customised PLM report based on their specific answers to the questions. Consultative commentary based on the answers and a graphical representation of the PLM adoption and maturity of the organisation are included in each report.

The following tables have been developed based on the results of over 600 respondents to the PLM Diagnostic tool. This is a separate appendix document related to the PLM Challenges and Benefits report. Please refer to the PLM Executive Summary for background and explanation of the tool, results and conclusions.

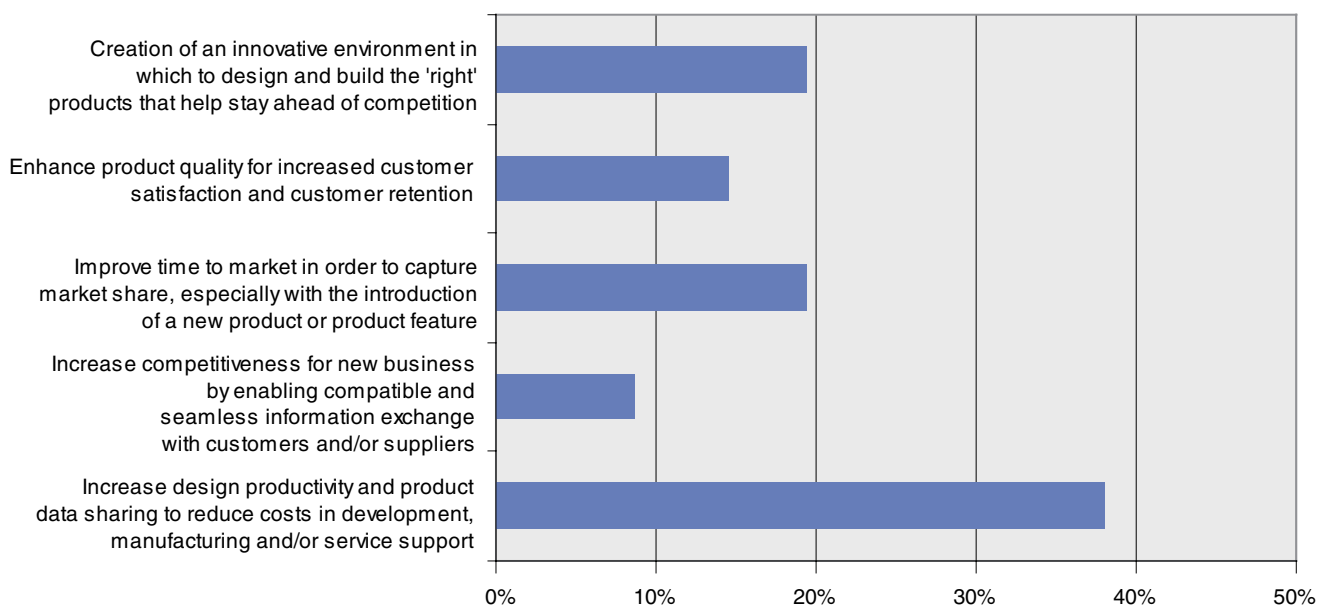


Solution area number one: PLM planning

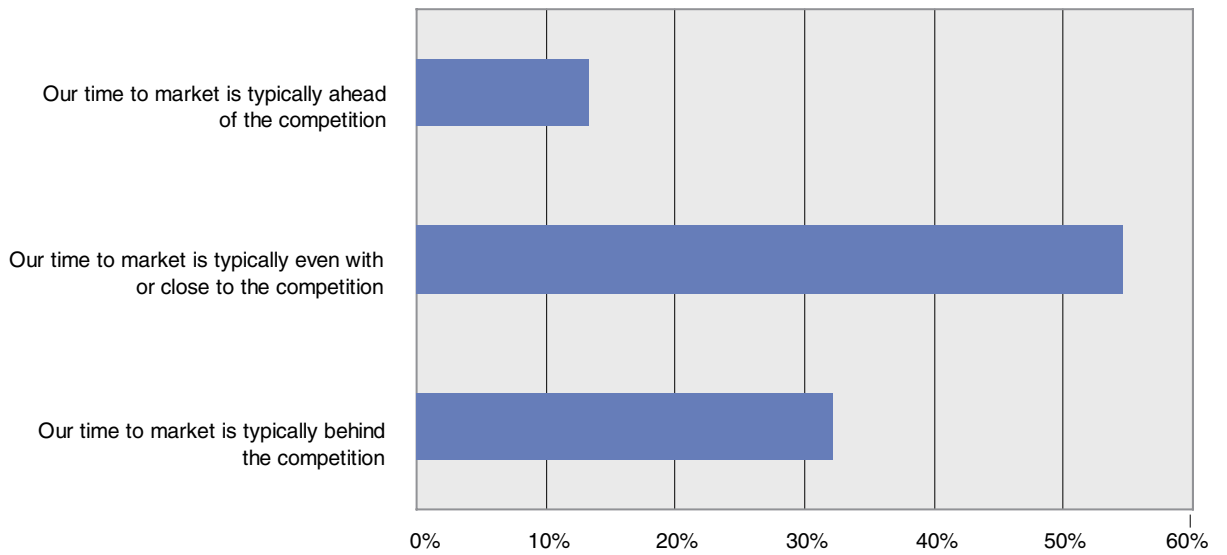
What is the most significant challenge in your product lifecycle?



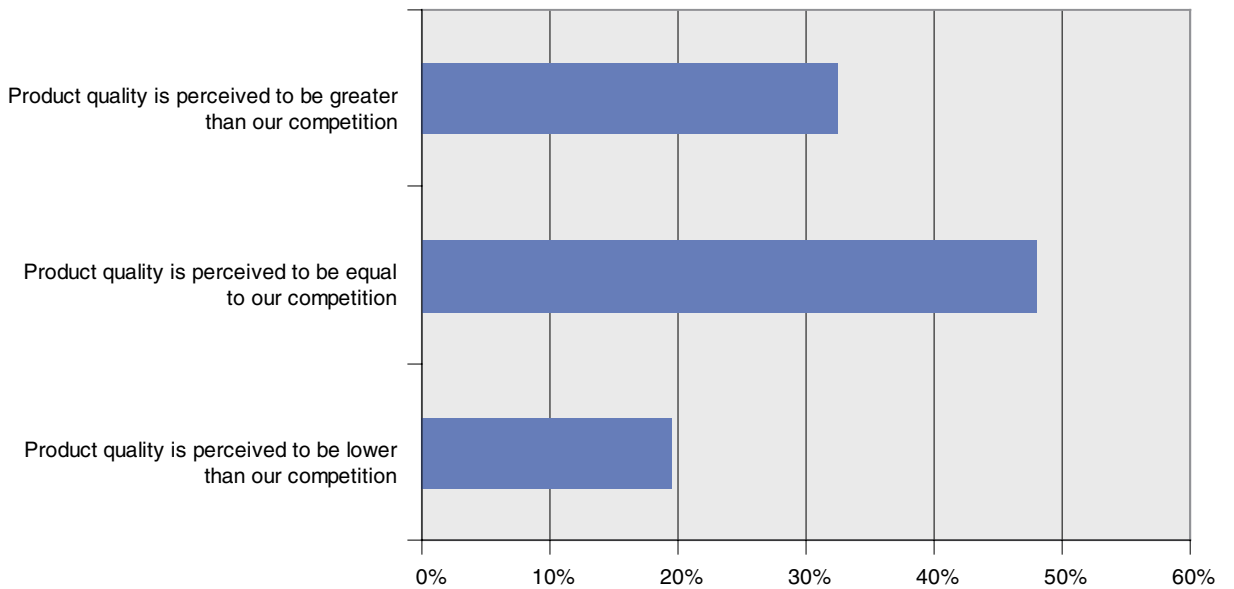
What do you perceive as the most significant benefit a product lifecycle management (PLM) solution could provide for your company?



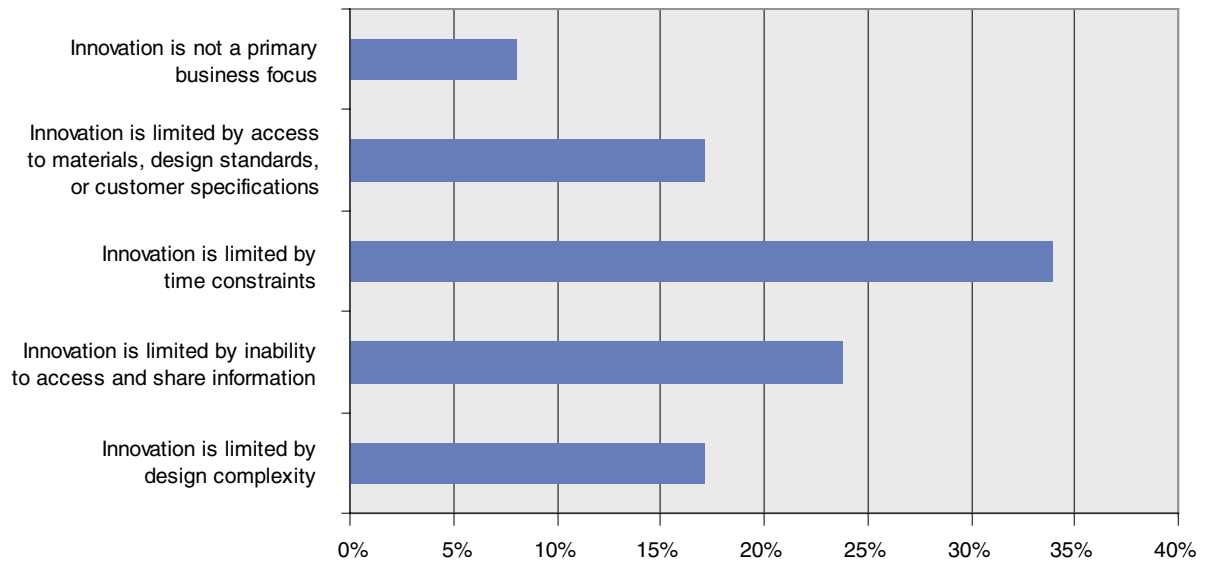
How does your company's ability to bring product-to-market compare with the competition?



How does your customer perceive the quality of your products compared to competition?

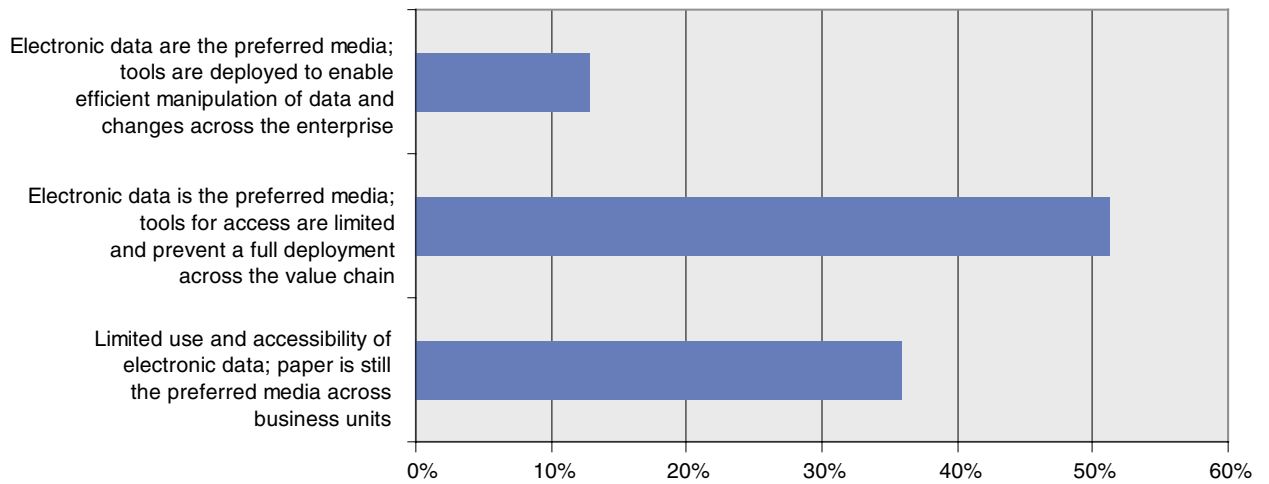


What primary constraint does your company face in product innovation?

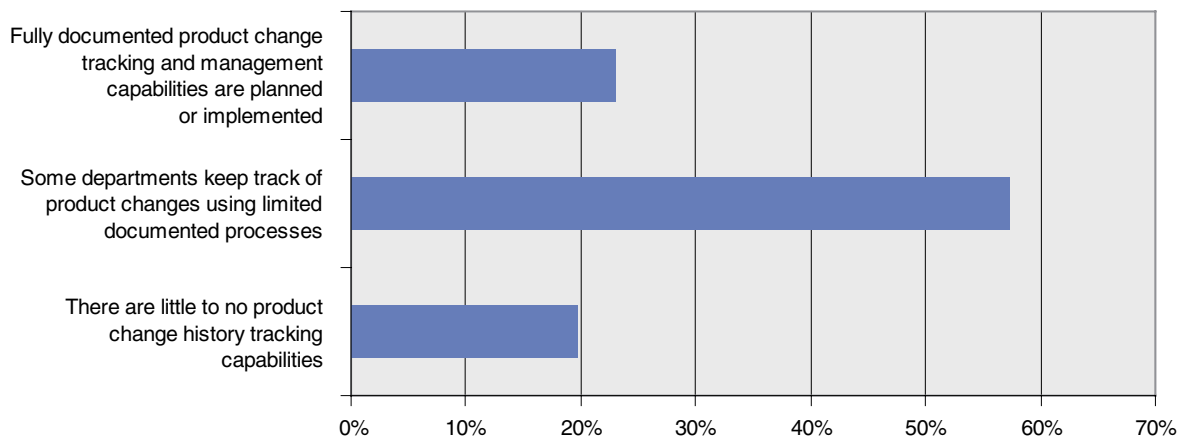


Solution area number two: PDM and collaboration

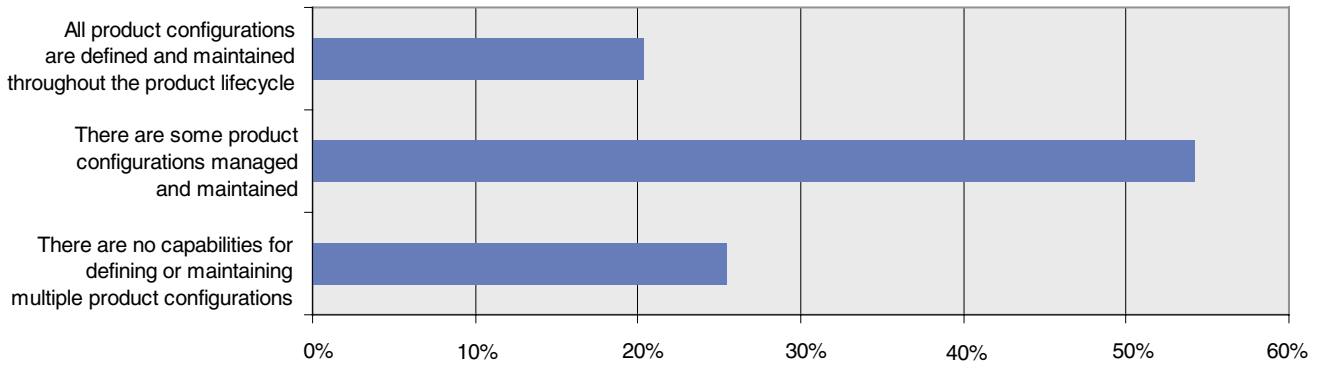
Is the communication within your company (engineering, manufacturing, service, procurement) based on the exchange of electronic data, or paper documents?



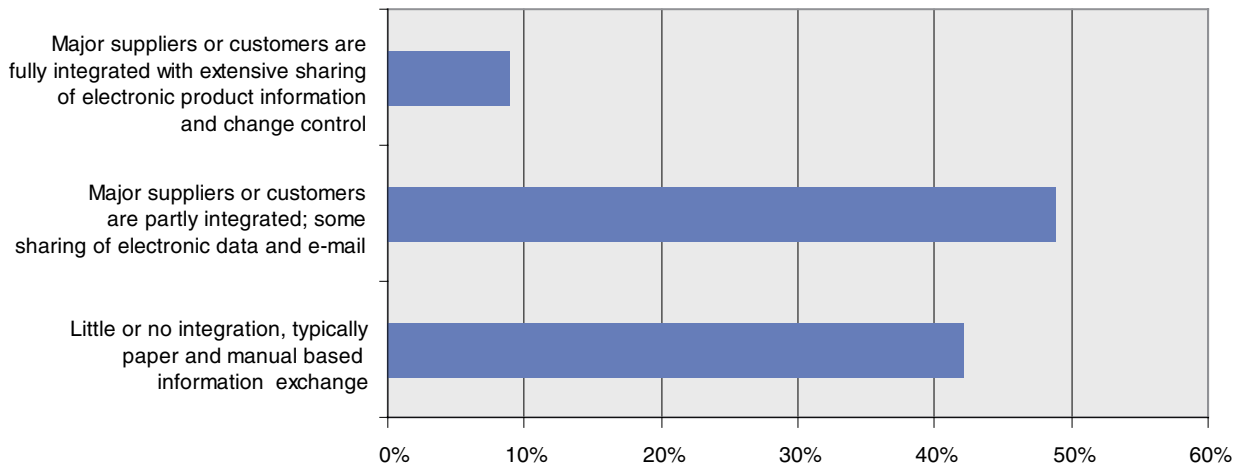
Does your company track and record the history of product changes that occur throughout a product's lifecycle?



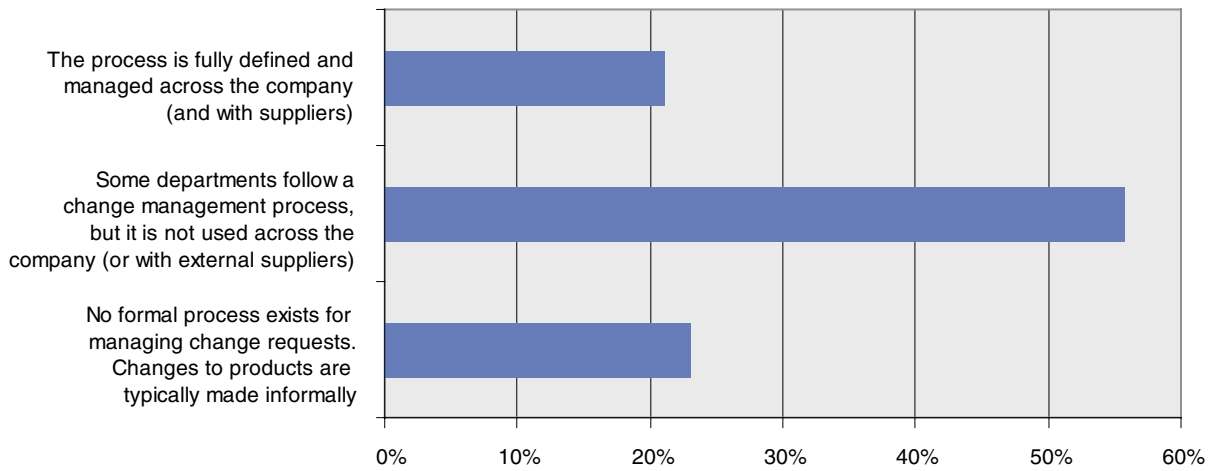
Are you defining and maintaining multiple configurations of your products (as-designed, as-built, as-maintained)?



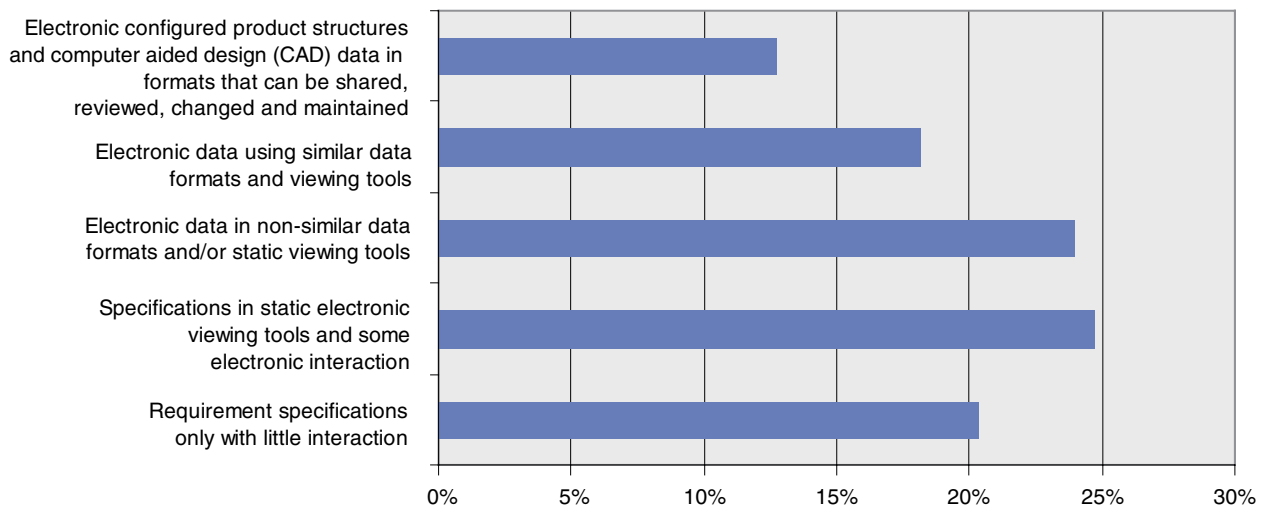
To what extent are your communications and data sharing with suppliers and/or customers integrated into your product development and manufacturing processes?



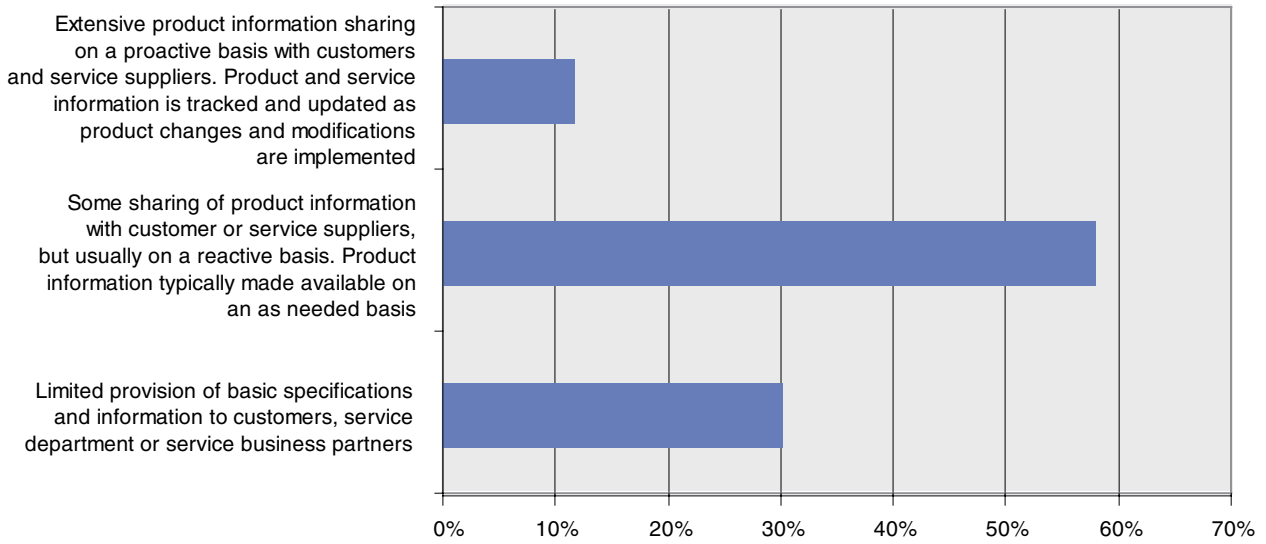
How do you manage engineering change requests?



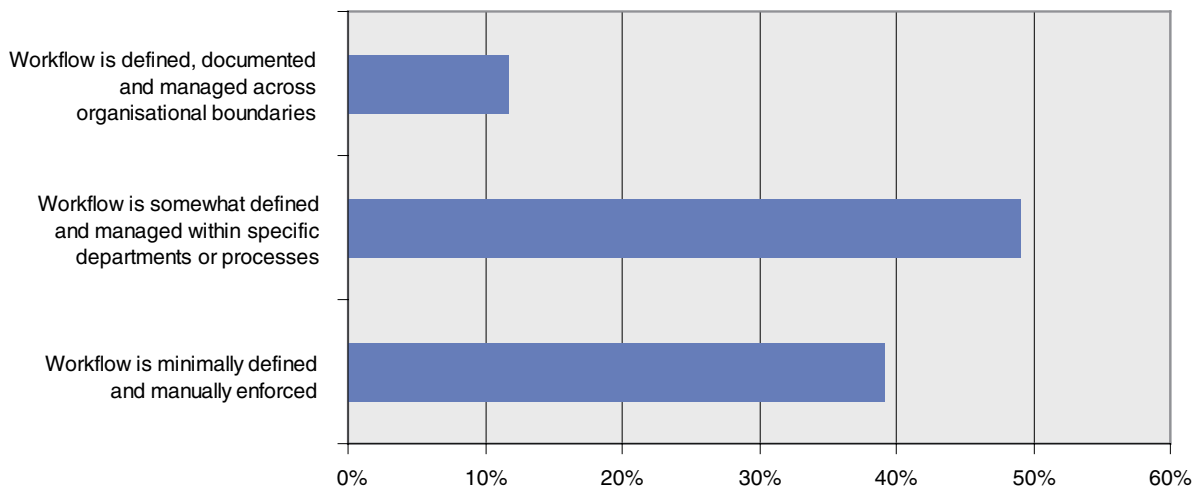
What types of information and data do you exchange with your suppliers or customers during the bid process or during the initial design?



To what extent are you leveraging your product information and knowledge with your product service capabilities or warranty services?

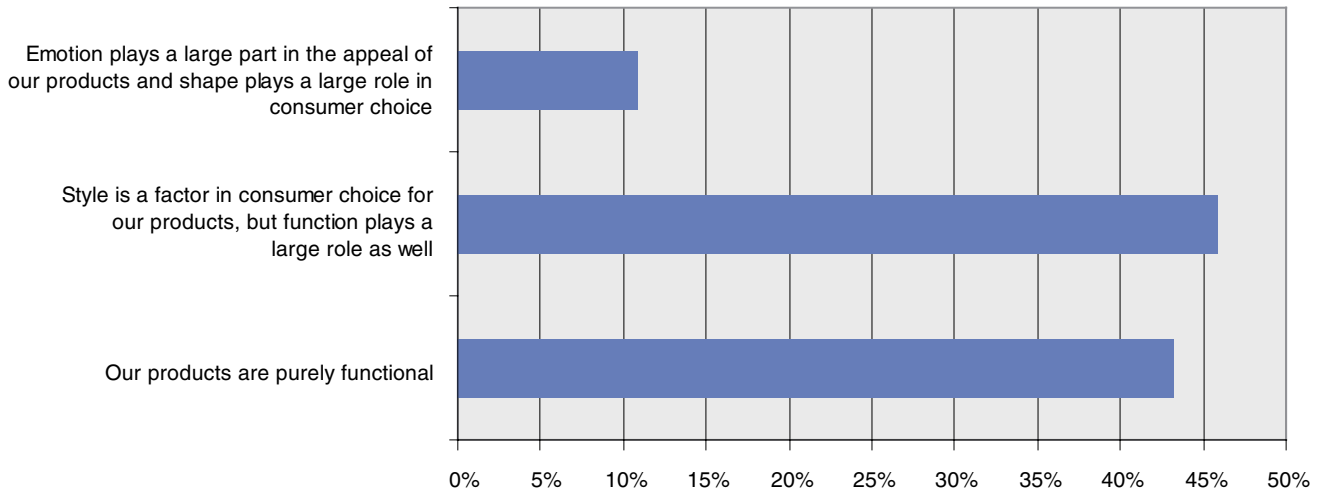


To what extent is workflow defined, managed and automated across your business?

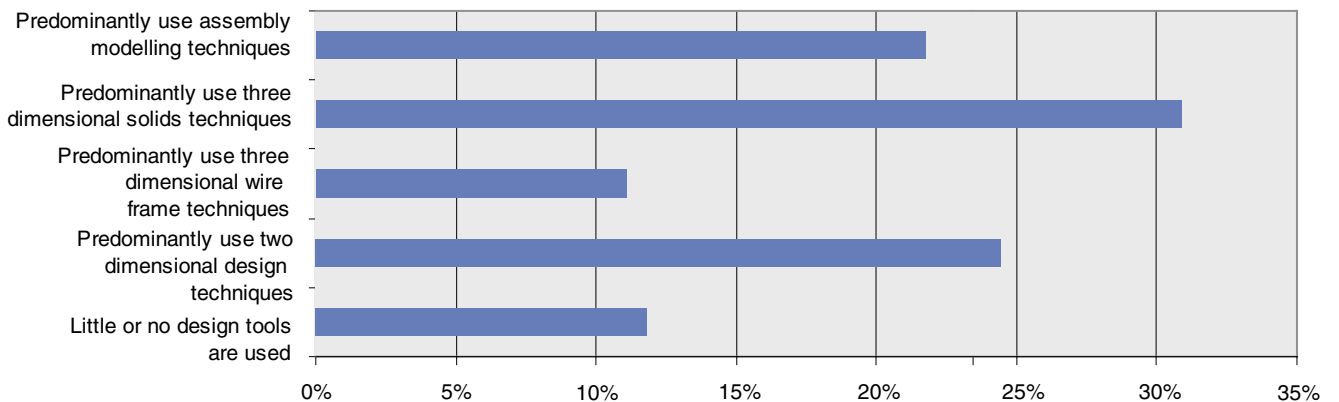


Solution area number three: Design

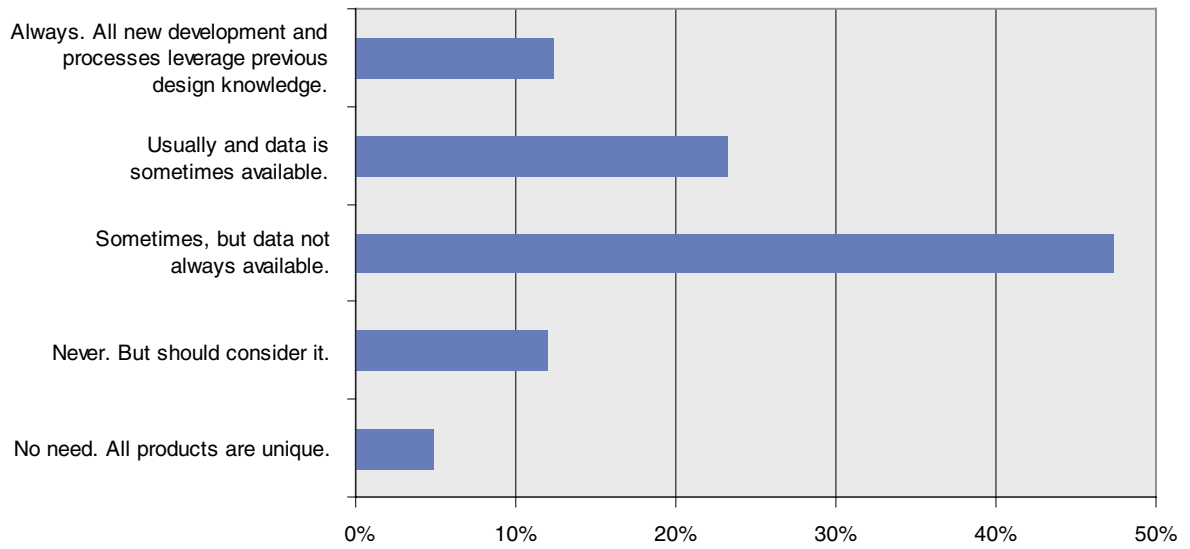
Are the surfaces that define the shape of your product more for functional purposes or for aesthetics?



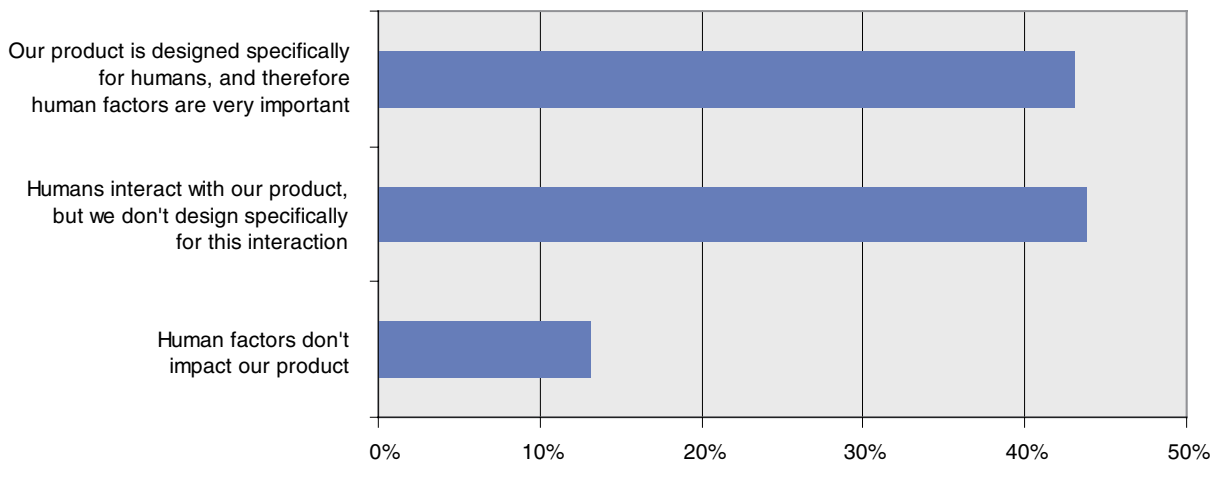
What is your prevailing design technique?



To what extent do you capture design knowledge and leverage this knowledge as a starting point for new designs?

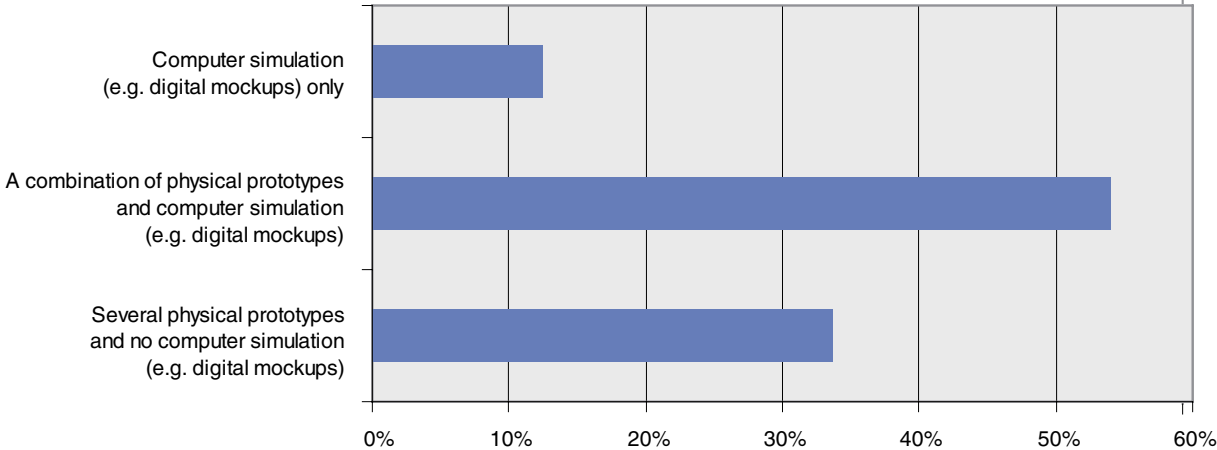


How important are human factors to your product?

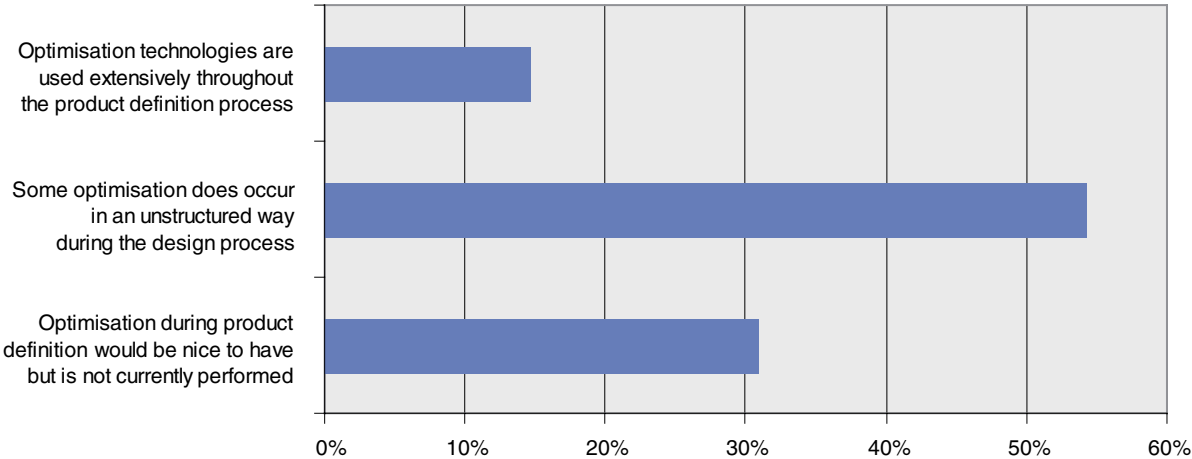


Solutions area number four: Engineering and analysis

Do you use physical prototyping or computer simulation to verify your product performance?

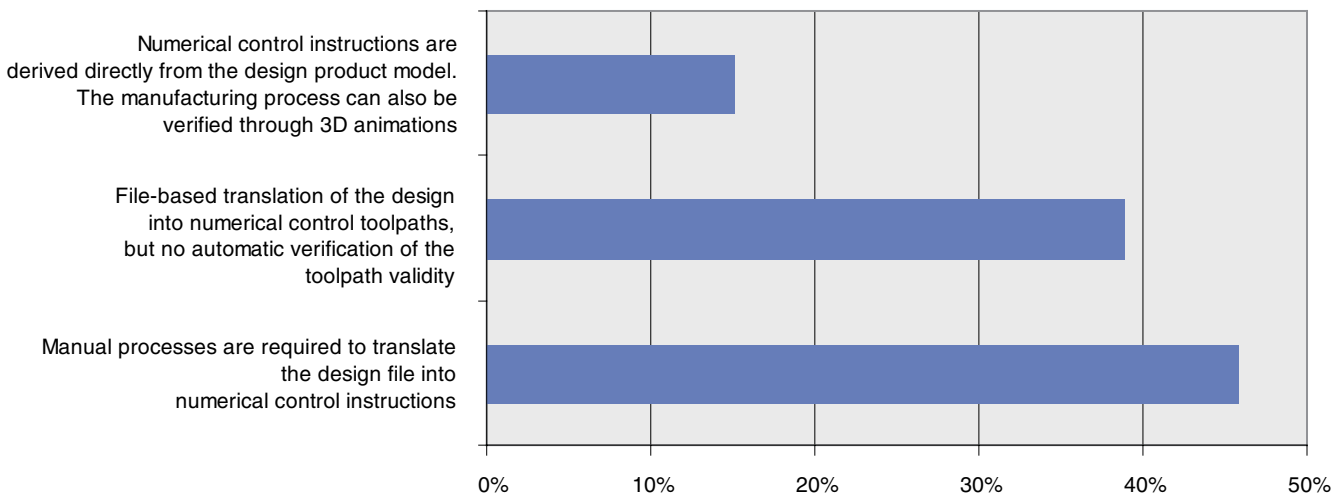


To what extent is design optimisation used in your product development process?

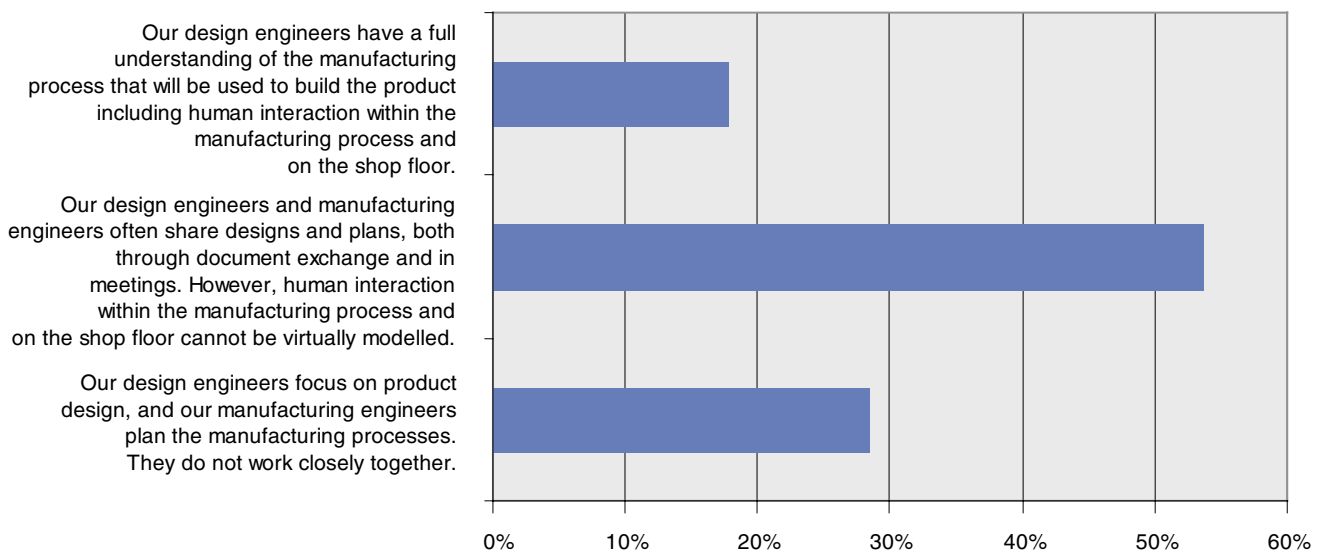


Solutions area number five: Manufacturing

Does your product design information feed numerical control machines in manufacturing without user intervention?

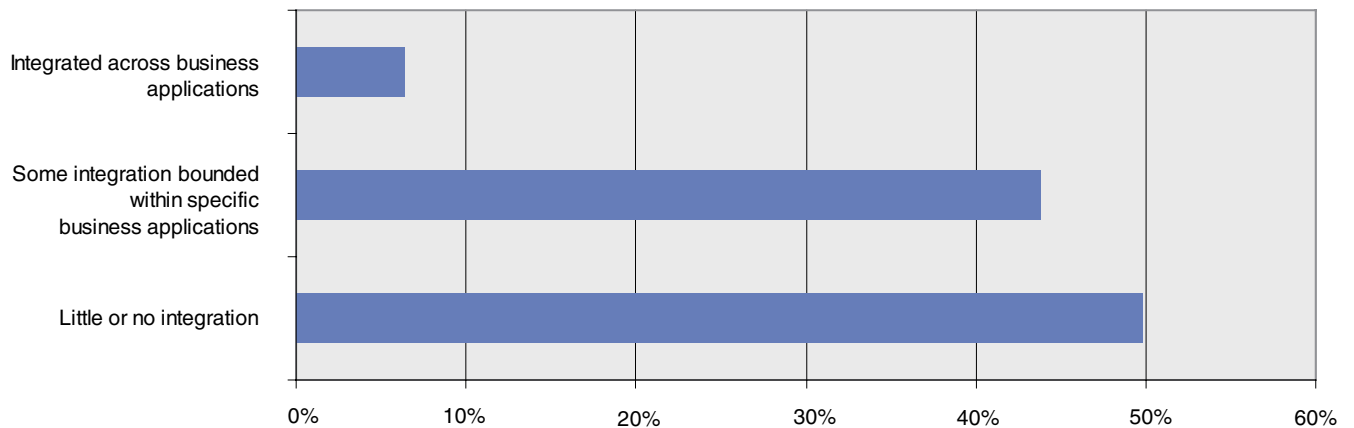


To what extent are manufacturing processes and techniques considered in the design and development of your products?

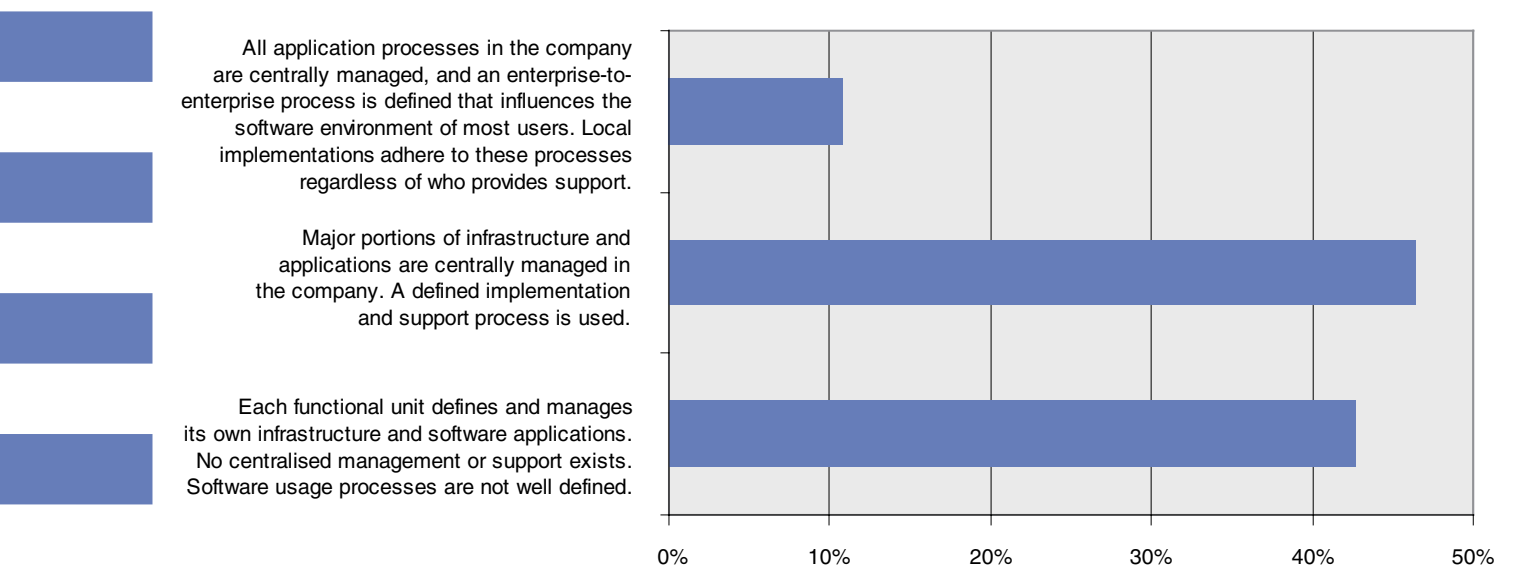


Solution area six: PLM implementation

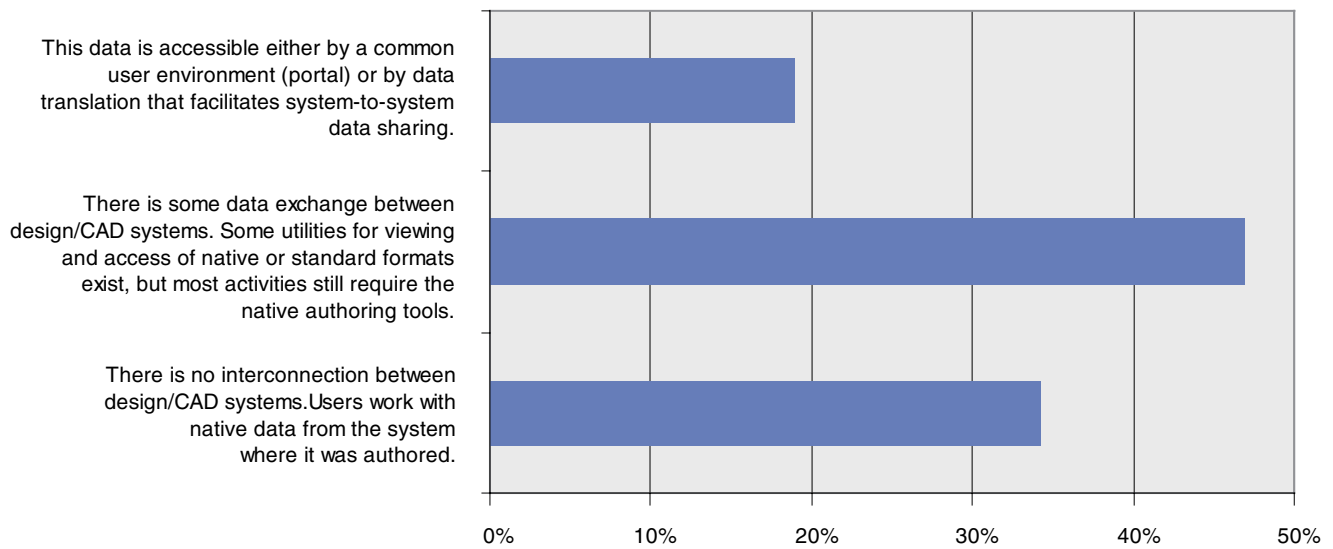
To what extent are your business applications (design/CAD, PDM, CRM, SCM, ERP) integrated?



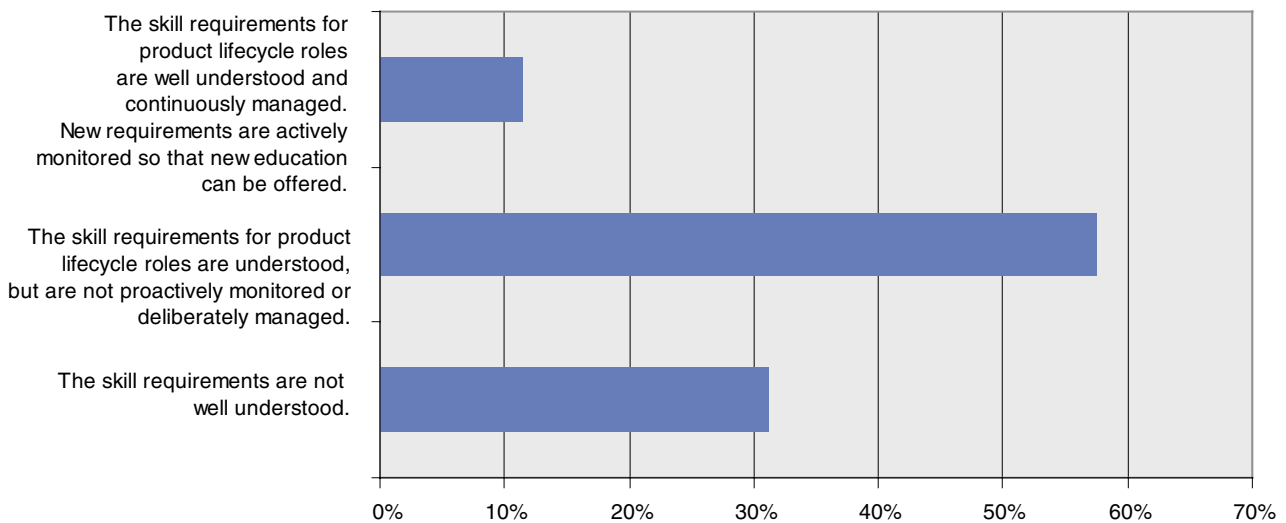
How well defined are your processes for software implementation, testing, support or upgrade?



To what extent can you access information from multiple design or CAD applications?



Do you manage/monitor skill requirements for the people who play roles in developing, manufacturing or supporting your products throughout their lifecycles?





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