## Implementation of Systems Engineering Lifecycle-Tools-Model Framework on large industrial scale

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## Abstract:

Systems engineering lifecycle-tools-model framework (SELTMF) based on integrating ISO/IEC 107AA with seven point of view architecture framework are presented. The developed framework consider service oriented point of view in addition to the common point of views suggested in the British ministry of defense architecture framework. Studied key performance indicators included financial, internal business, quality, innovation learning and integrated measures. The proposed framework is implemented on the Egyptian Company for Development Industries. The results helped in identifying the problems that face the company on different levels including production and administration. After the implementation, it was found that the total production time decreased by 51.1% and the total productivity increased by 71.1%.