Why Systems Engineering…

SE = Engineering the combinations
…the problems are no longer in the components
…the combinations are where bad things happen

Today's products are complex combinations of software, electronics, mechanics,…

What is MBSE? (Model-Based Systems Engineering)
…scaling systems engineering with models because text doesn't scale. Models document/deliver cross-product knowledge

MBSE must be integrated with product lifecycle to deliver cross-product knowledge now vs later. This means MBSE is not a tool, it's a journey that yields continuous integration

<u>We must integrate SE with PLM to solve this problem</u>
aka: System Lifecycle Management

Column of shame

SIEMENS