

SEFS Scoping

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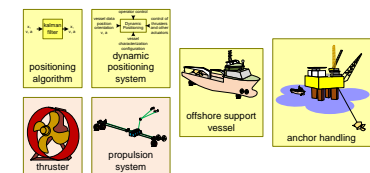
Abstract

Systems engineering is applicable from small systems to large and complex systems. The notion of a “system” is recursive: a system consists of subsystems that consist of subsystems. However, the subsystem developers may consider their subsystem as their system-of-interest, making the original system their supersystem. That makes systems engineering applicable at each aggregation level. An essential step is to define the scope of the system and the development and engineering effort.

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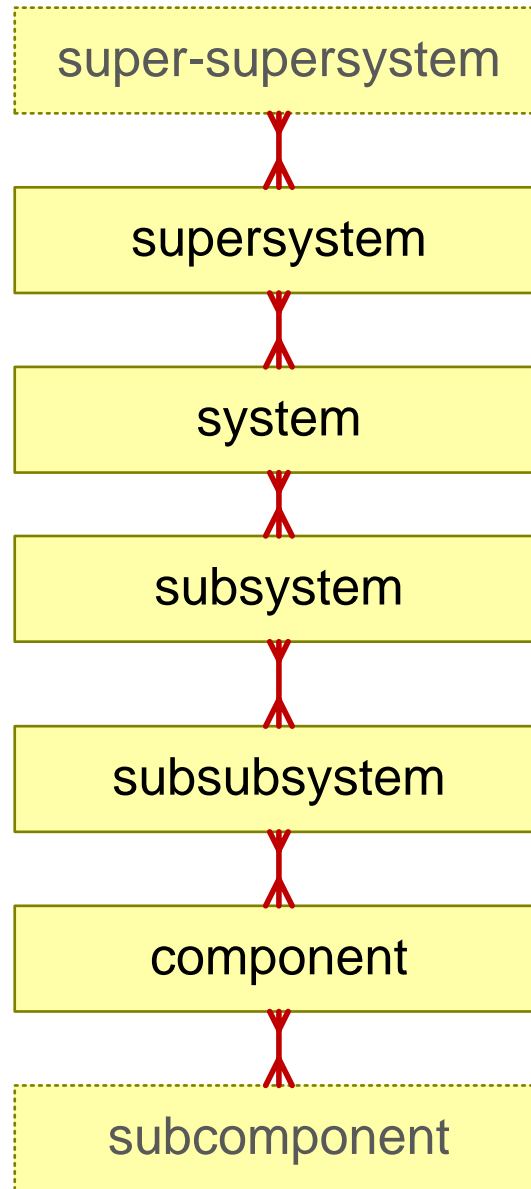
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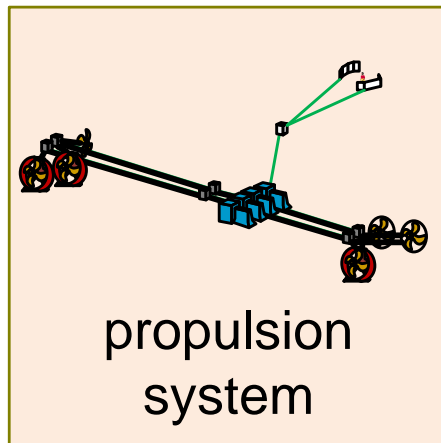
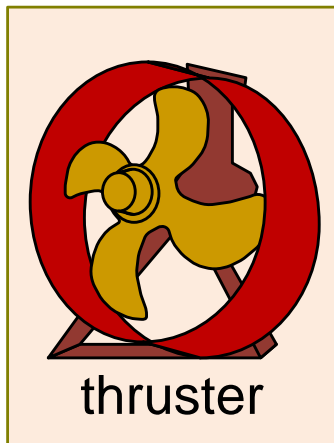
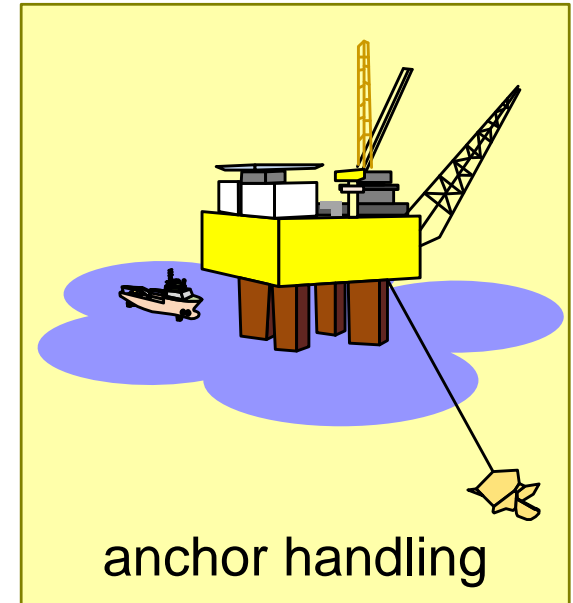
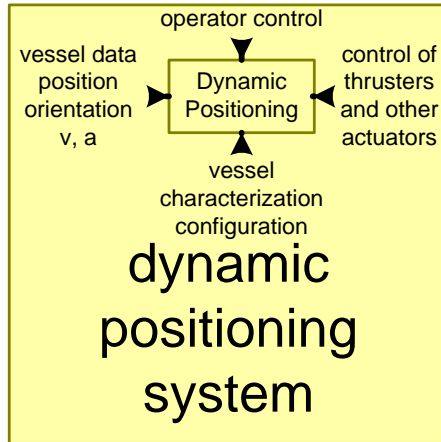
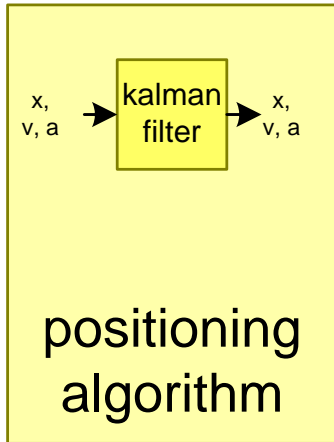
Systems Engineering is applicable from **small systems** to **large and complex systems**.

Systems engineers must **tailor** the **systems engineering methods** to the **System of Interest**.

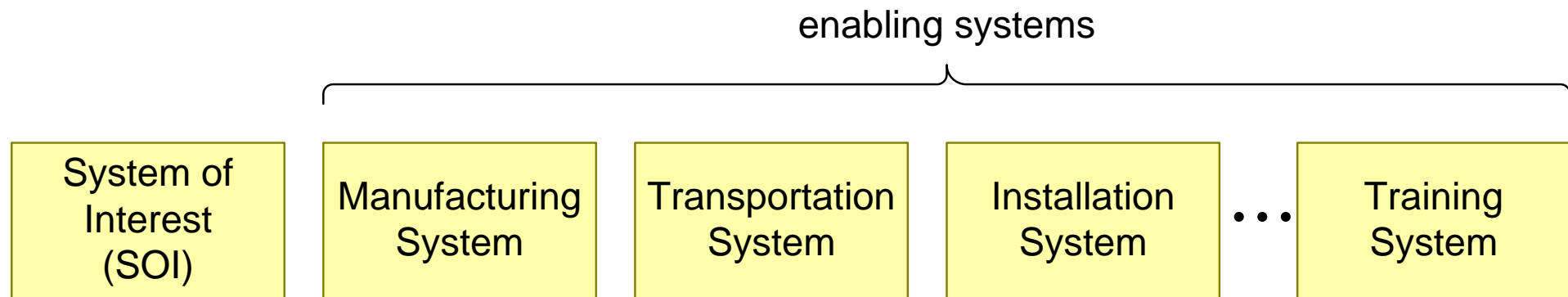
Hierarchy of System Levels



Example of System Levels



Enabling Systems



Development and Engineering must develop the System of Interest and all Enabling Systems