



automotive center of expertise

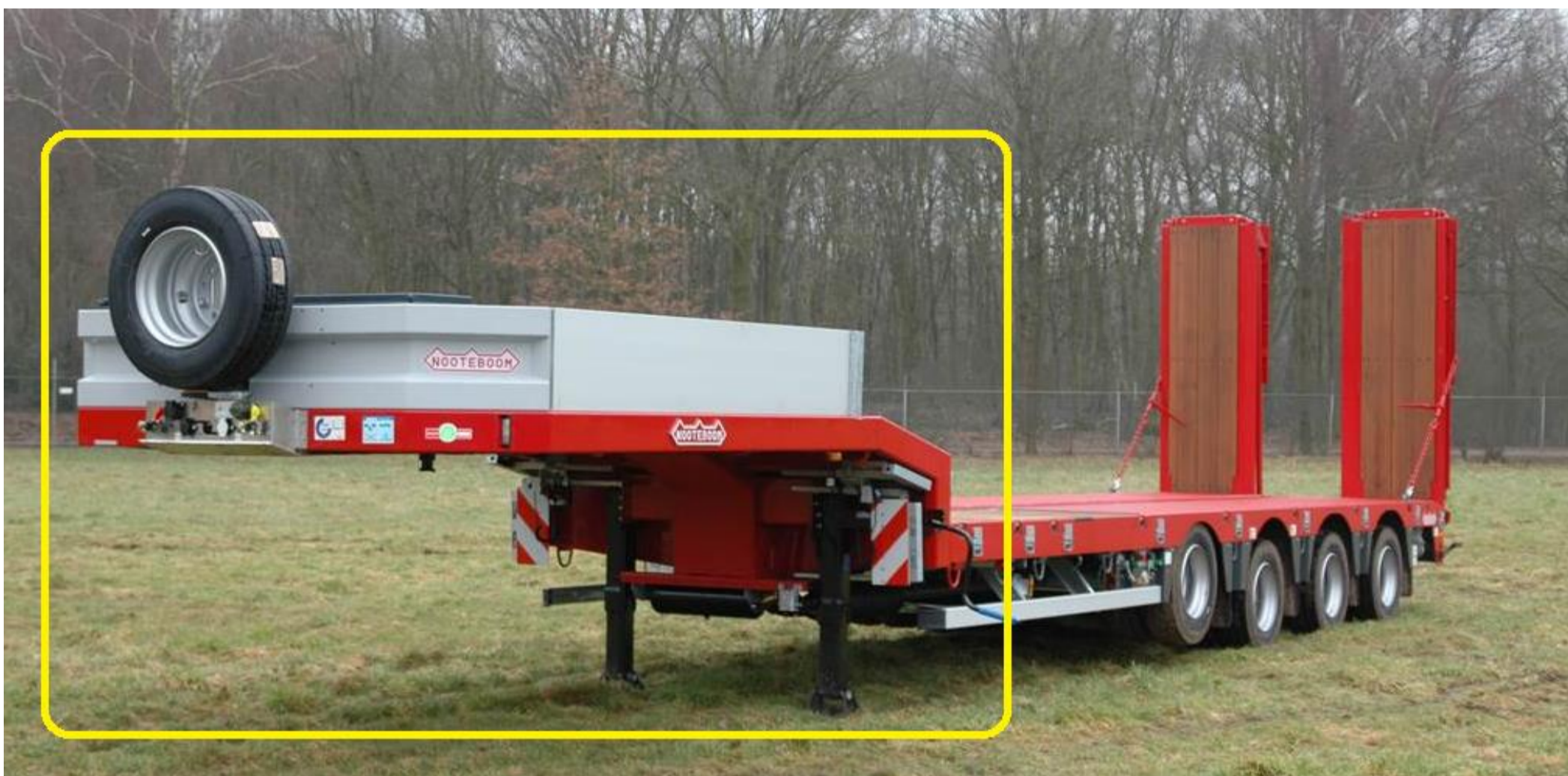
Uniform OSDS and MCOS gooseneck design

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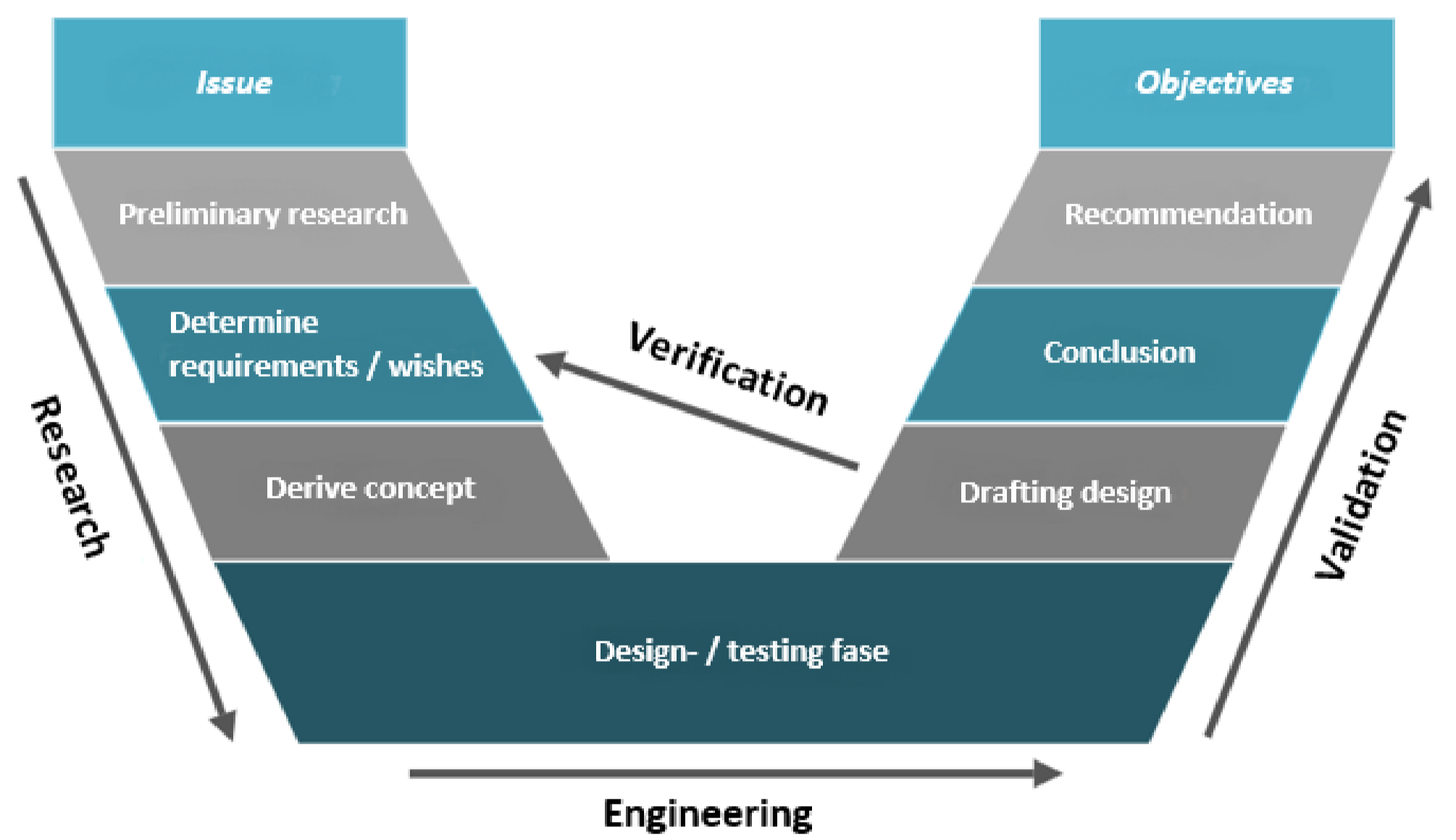
Short summary assignment:

For the OSDS, non-steering semi low loader and MCOS, steering semi low loader a uniform gooseneck design, which suits the current trailer market was desired. To create the new design multiple researches and modular optimizations were required. With the usage of a choice matrix, specifications were chosen for the new design. These specifications were optimized individually to meet the requirements of the variation in OSDS and MCOS parameters. The total project gain is determined by comparing the total costs, weight, welding distance and number of uniform parts used in the new and old gooseneck.

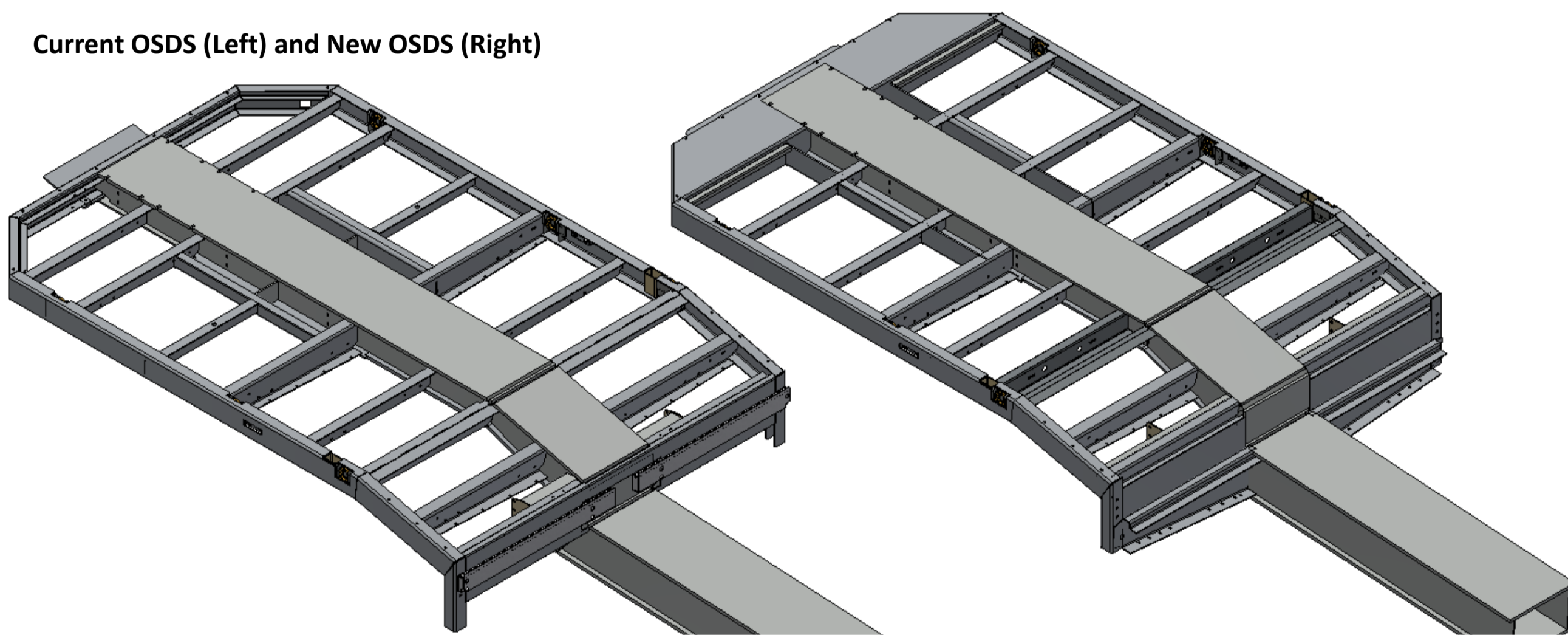
SMART Gooseneck



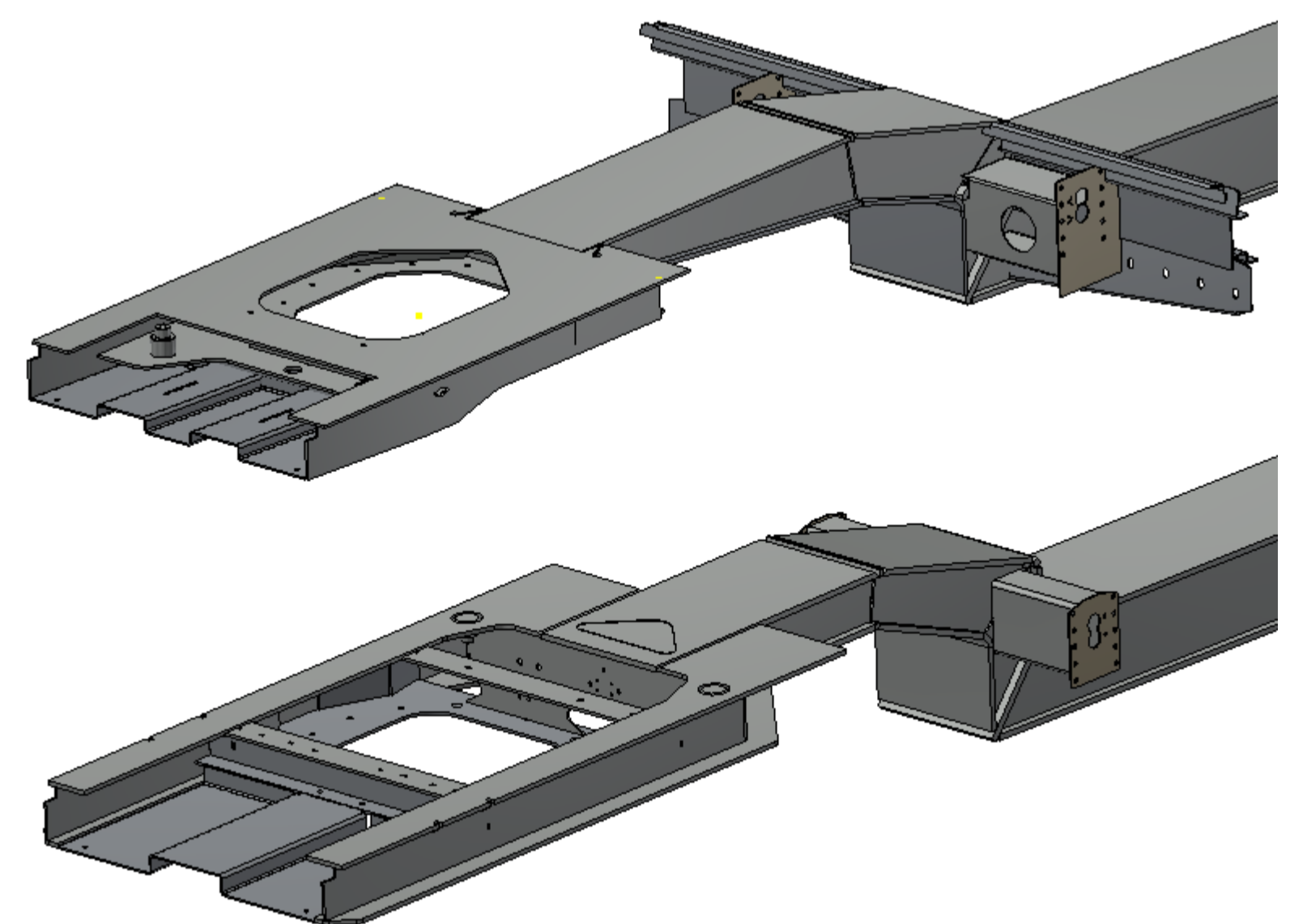
V-model by DMADV



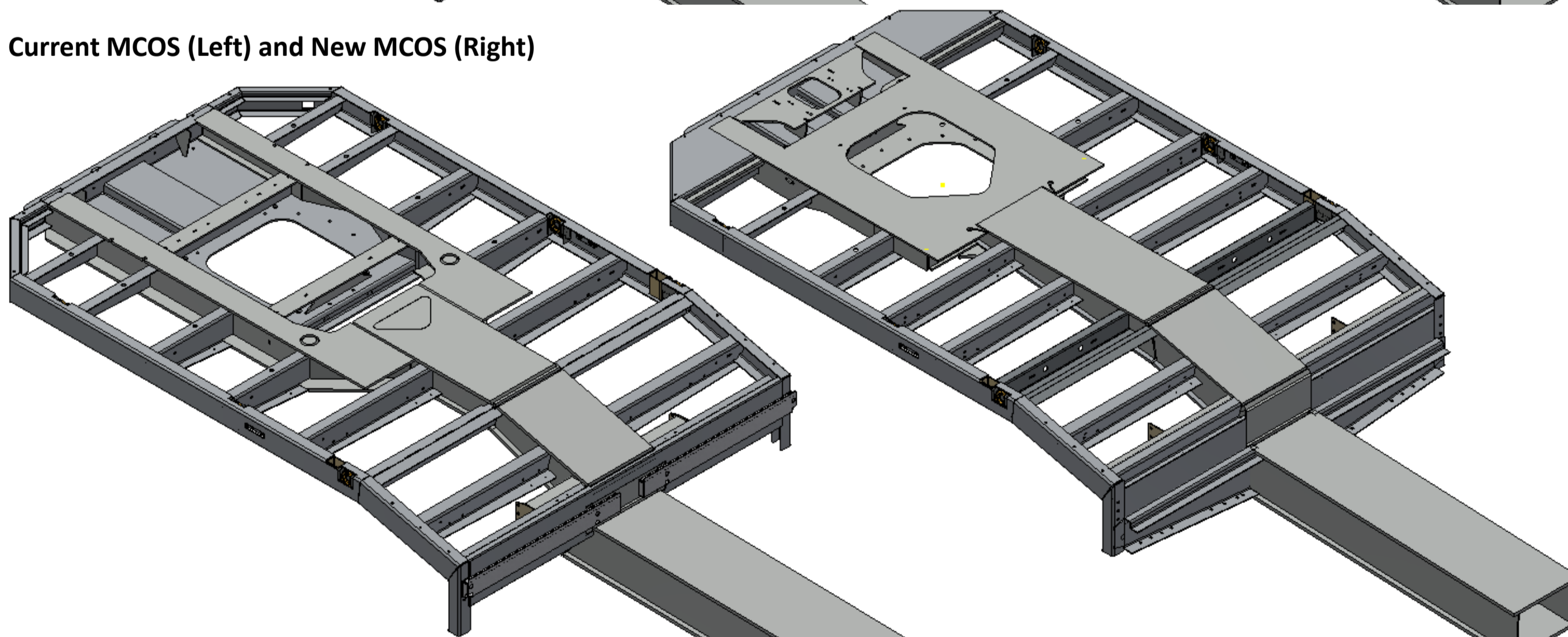
Current OSDS (Left) and New OSDS (Right)



New MCOS chassis beam (Top) Current MCOS chassis beam (Bottom)



Current MCOS (Left) and New MCOS (Right)



Partnerbedrijven

