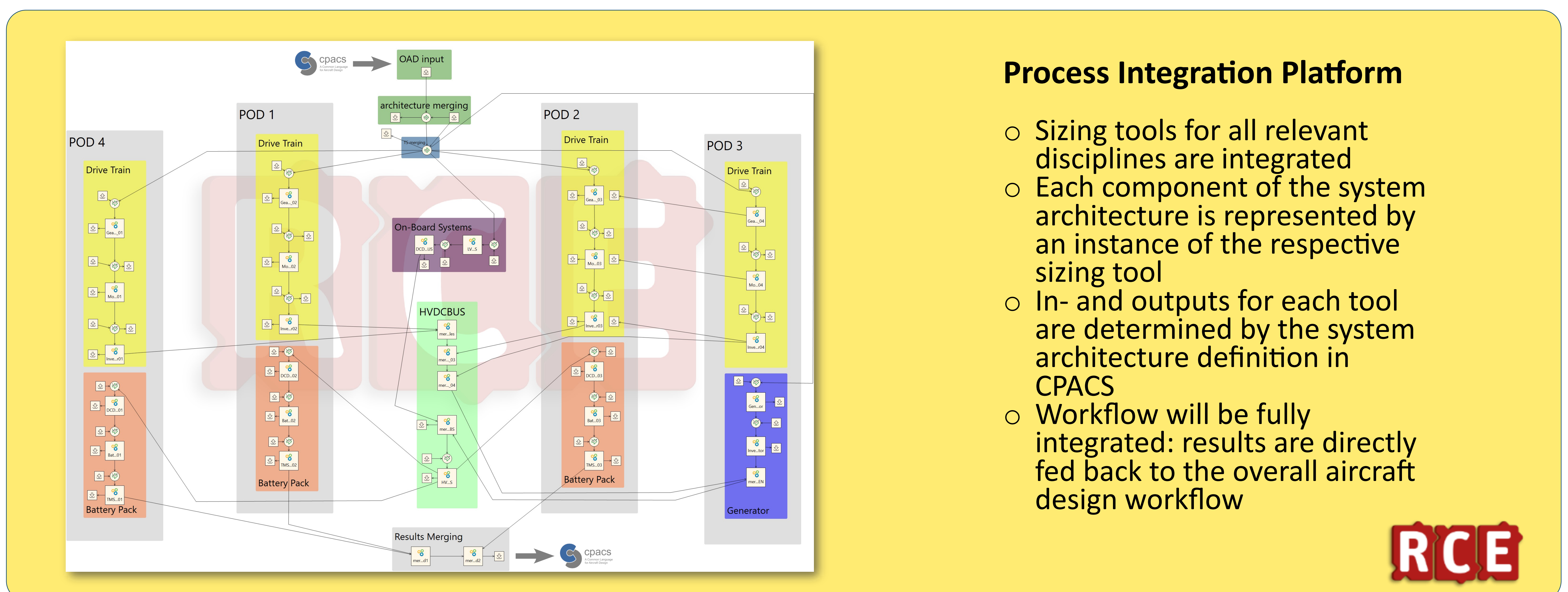
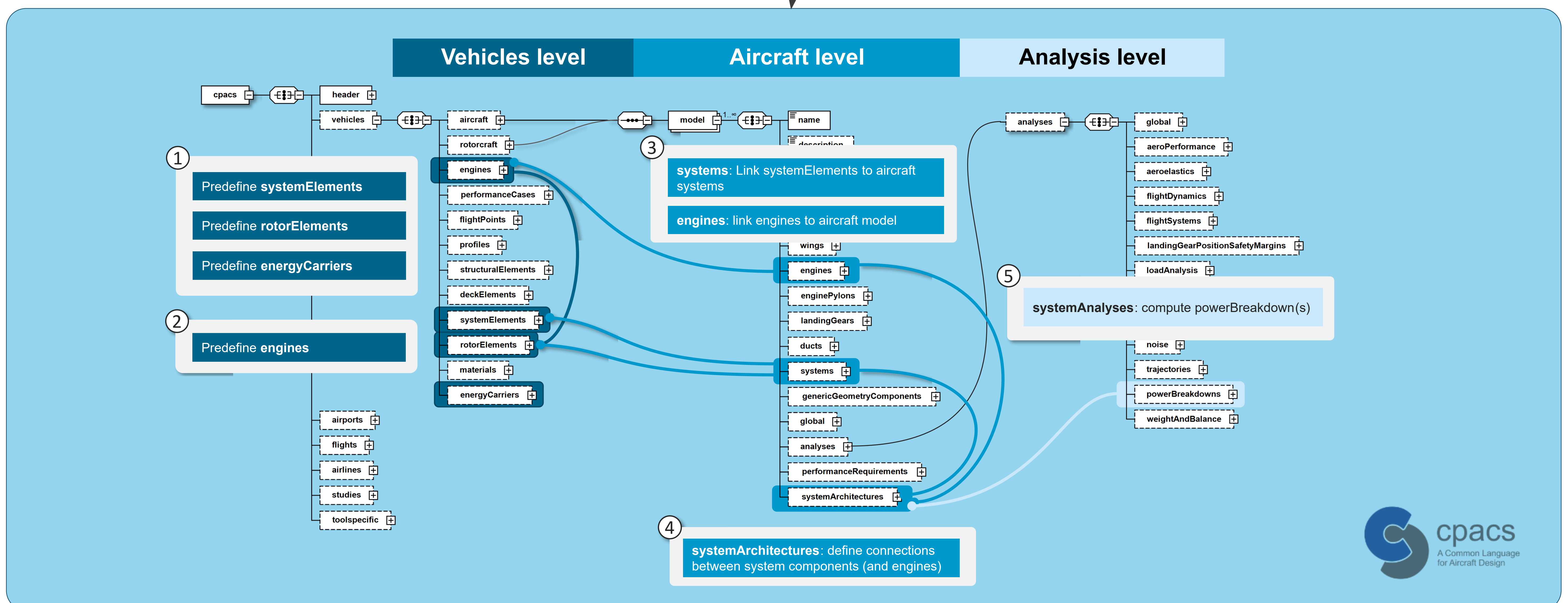
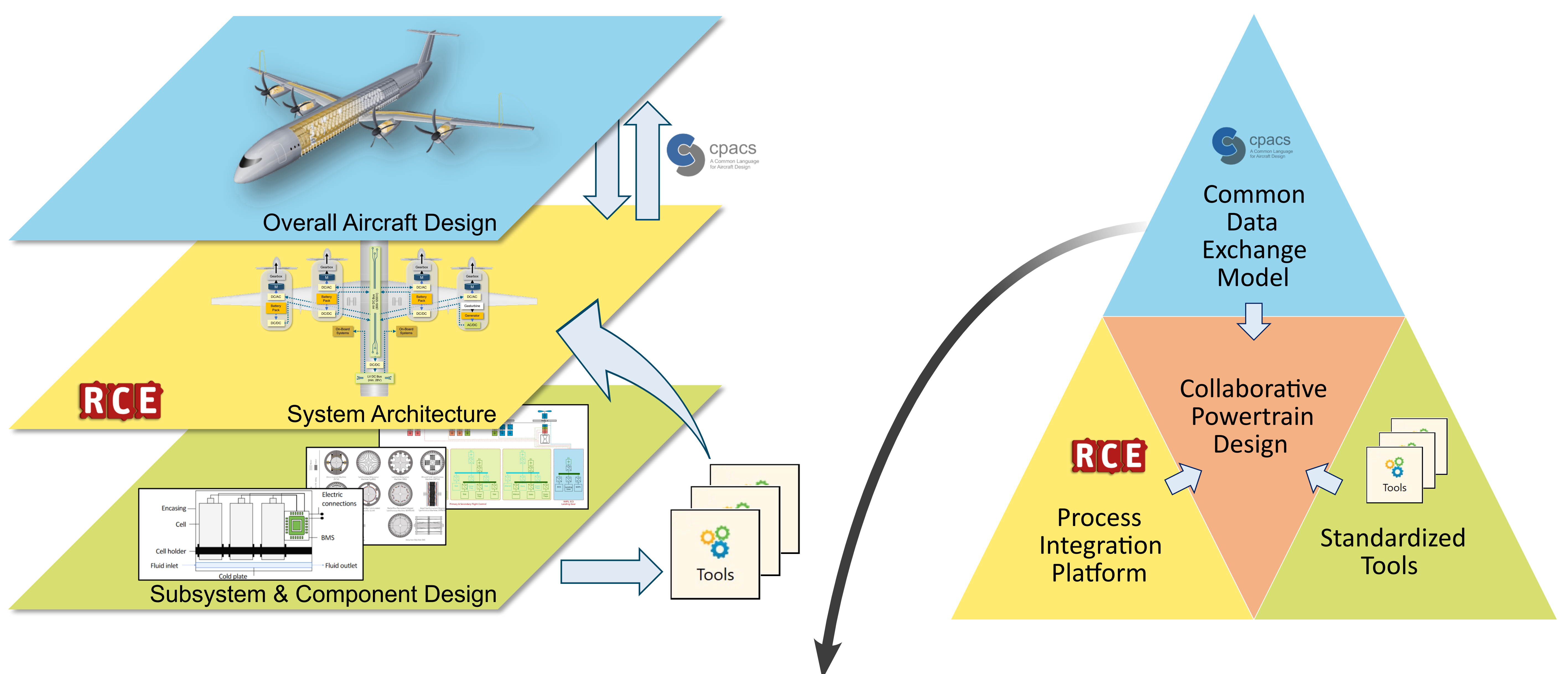


COLLABORATIVE PROPULSION SYSTEM DESIGN

A FRAMEWORK FOR THE SIZING OF A PLUG-IN HYBRID-ELECTRIC AIRCRAFT POWERTRAIN

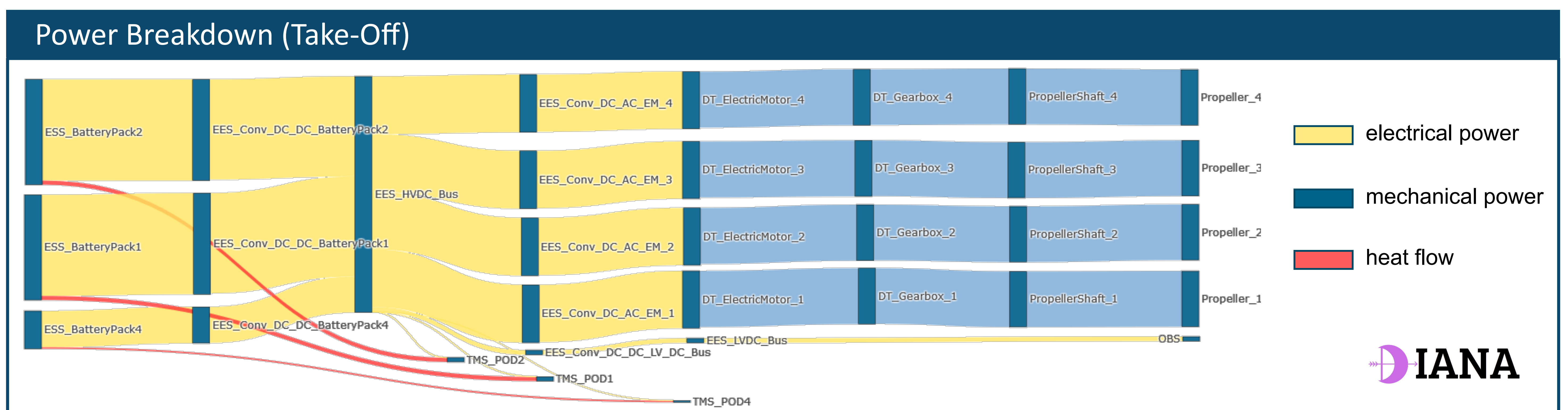
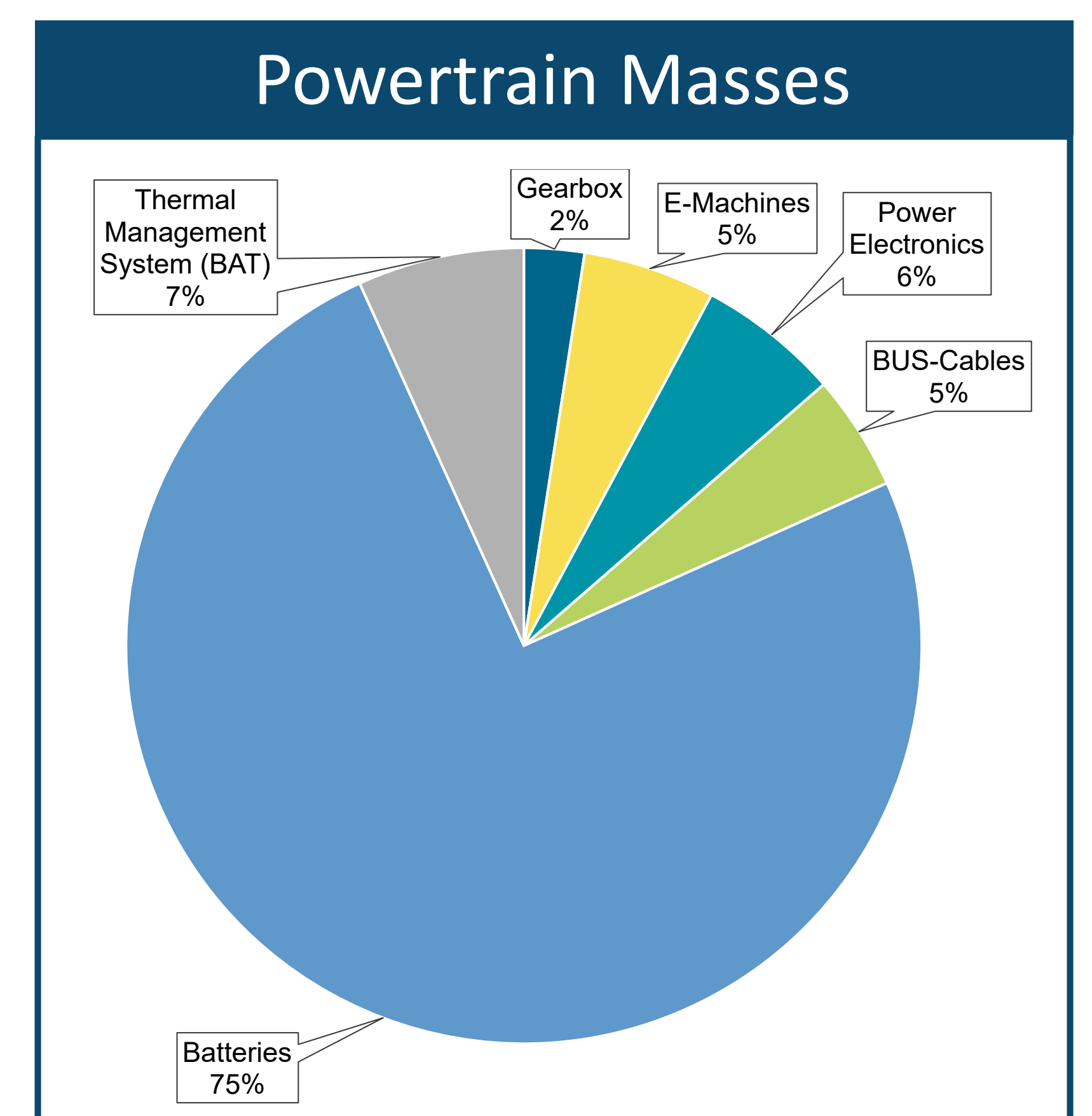
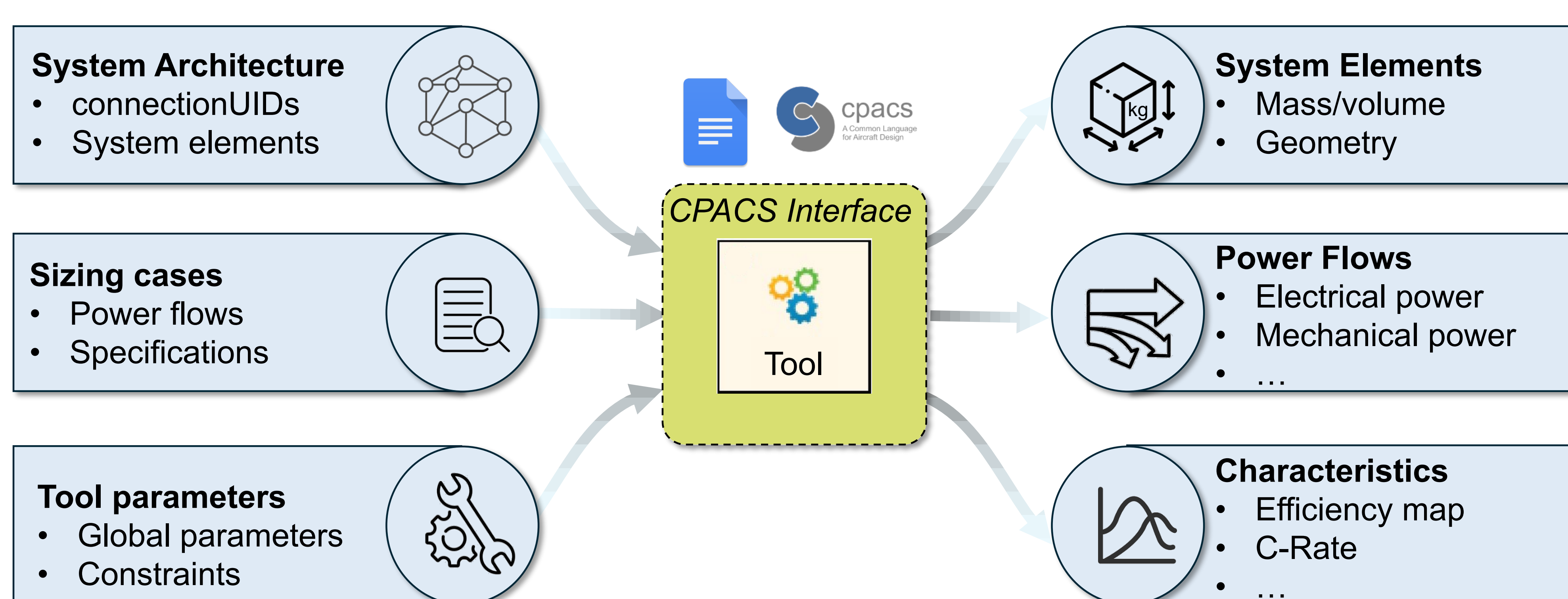
Niels Weber, Tim Burschyk, Sparsh Garg



Process Integration Platform

- Sizing tools for all relevant disciplines are integrated
- Each component of the system architecture is represented by an instance of the respective sizing tool
- In- and outputs for each tool are determined by the system architecture definition in CPACS
- Workflow will be fully integrated: results are directly fed back to the overall aircraft design workflow

RCE



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