



ALU-CAB

SYNCHRONISING REVISIONS AND ASSEMBLY INSTRUCTIONS



ABOUT

Founded in 2000 and headquartered in Cape Town, [Alu-Cab](#) designs and manufactures premium overlanding equipment engineered for tough, off-road conditions.

Their entire product lifecycle - from design to production - is managed across multiple factories. This integrated setup ensures efficiency, quality, and design integrity.

By combining [SOLIDWORKS PDM](#) with Composer, the company delivers live, data-linked assembly instructions that enhance communication between engineering and manufacturing teams.

CHALLENGE

Alu-Cab needed to deliver more detailed, visual breakdowns of assembly instructions to clearly communicate design intent for new product launches. These instructions also had to remain linked to live CAD data, reducing time spent manually updating documents when product designs changed.

SOLUTION

Implementing [SOLIDWORKS Composer](#) to the existing SOLIDWORKS suite for secure revision control and data-linked assembly instructions.

RESULTS

- Integration timeline shortened for new products
- Design intent executed accurately on first build
- Post-integration meetings and clarifications reduced
- Linked instructions prevent rework after design changes

“ Assembly instructions are now clearer, allowing manufacturing teams to better understand design intent and reference drawings of parts. ”



Eduan Kruyswijk
Mechanical Engineer