

Off-Highway Project 1

Project	<u>Engineering Design support to Farm Equipment Manufacturer</u>
Scope of Work	<ul style="list-style-type: none"> • FE Analysis support • Concept development and Design support • Route cause analysis, Prototype & Testing support • Data translation of from IDEAS to Co-create Modeling. • 2D Manufacturing drawing to be created and linked to 3D model. • Production drawing to be created. • 3D model & 2D drawing to be uploaded to PDM tool.
Inputs	<ul style="list-style-type: none"> • Data's from IDEAS, • Drawings in PDF format & hand sketches
Challenges	<ul style="list-style-type: none"> • Data's provided in Co-create format • All data's were uploaded to Model Manager
Deliverables	<ul style="list-style-type: none"> • 3D Model of single part & weld Assembly • Assembly drawing with BOM & Ballooning • Manufacturing drawings • Production drawings
Platform/ Tools Used	<ul style="list-style-type: none"> • IDEAS, • Co-Create Modeling • Model Manger(PDM tool)
Value Addition to Customer	<ul style="list-style-type: none"> • Complete set of drawings for manufacturing, assembly and procurement. • Unwanted components were removed from the assembly and welding assembly parts were simplified with significant savings • Overall manufacturing cost of machine has been reduced by improved design