

The Journey: Machine Manufacturer



CUSTOMER
JOURNEY **MAPPING**



WHERE AM I NOW?

We are manufacturers of specialist pumping and boring equipment for delivering clean water to homes and business that are not connected to the mains supply. Depending on the size of the installation we provide pumps, pipes, skids and frames and mobile platforms. Some of the installations are temporary whilst others are permanent and visual impact can be a factor when designing a rig. On the whole the non-domestic projects are different and we often find ourselves starting with a blank piece of paper for the structural aspects.

Best in class

OUTCOME:

We have experienced big improvements in our ability to provide flexible solutions to customers often in difficult environments and within short timescales. The move to 3D has shortened the design cycle whilst speeding up the fabrication documentation output. The use of tube and pipe has allowed our designers to try new and innovative designs and value engineer large and complex installations. Sophisticated analysis has also allowed the team to ensure that complex distribution systems deliver the expected performance. Showcase has allowed the business to bring visual impact studies in-house and designers are now able to start proposing new ways of sympathetically cladding and housing industrial equipment. Autodesk Vault is a crucial element for managing often complex assemblies and systems.

TRANSITION TO 3D

Training your team in the core design technologies

2

ANALYSIS AND AUTOMATION

Developing advanced design and productivity capabilities

3

DATA MANAGEMENT

Developing an efficient design and project data environment

4

ADOPTION SUPPORT

Technical specialists working with you all the way to ensure your project is a success

5

PROJECT PLANNING

Getting your organisation prepared for change

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Machine Manufacturer– Adoption of Technology and Services

PROJECT PLANNING	TRANSITION TO 3D	ANALYSIS & AUTOMATION	DATA MANAGEMENT	ADOPTION SUPPORT
Getting your organisation prepared for change	Training your team in the core design technologies	Developing advanced design and productivity capabilities	Developing advanced design and productivity capabilities	Technical specialists with you all the way to ensure your project is a success

ADOPTION

PROJECT PLANNING SERVICES	TRAINING SERVICES	TRAINING SERVICES	AUTODESK VAULT	ADOPTION SUPPORT
<p>Assess</p> <ul style="list-style-type: none"> Customer profile Process profile Environment profile High-level recommendations <p>Plan</p> <ul style="list-style-type: none"> Deliver a “statement of work” Implementation start and completion dates Timeline of tasks to be completed Expected end results of the implementation <p>Solve</p> <ul style="list-style-type: none"> Execute the “statement of work” Keeping on track Identify, what, when and who Document and track requirement changes Deliverables: data migration, software, IT infrastructure configuration, back up, software install, training <p>Confirm</p> <ul style="list-style-type: none"> Verify the success of the implementation Plan for future projects Ensure support needs are met Other services required 	<p>Inventor Essentials Training</p> <ul style="list-style-type: none"> Principles of 3D parametric part design, assembly design How to capture design intent Learn using the proper workflows for creating intelligent 3D parametric parts Creating, placing, and constraining custom and standard components Simulating mechanisms, animating assembly designs Checking for interferences <p>Introduction to FEA</p> <ul style="list-style-type: none"> Driving Dynamic Simulation and Stress Analysis Validate design prototypes Create dynamic simulations <p>Showcase Training</p> <ul style="list-style-type: none"> Essential tools and principles of preparing models and designs Navigation of interface, import and adjust imported geometry Preparing designs for presentation Controlling lights and shadows Enhance designs using ray tracing and custom environments 	<p>Tube and Pipe Training</p> <ul style="list-style-type: none"> Principles and workflows Creating and documenting rigid tubing, flexible hose and piping systems Read world design scenarios <p>Frame Generator Training</p> <ul style="list-style-type: none"> Using frame generator to create internal and external frame assemblies for machines. Creating skeleton parts as an and inserting frame members Creating frames as separate parts or within the context of the main assembly 	<p>Data Management Implementation</p> <ul style="list-style-type: none"> Industry leading technologies Robust and secure data environment Automation of costly manual tasks Manage design and project cycles <p>Vault Implementation Project</p> <ul style="list-style-type: none"> System scoping and documentation Vault administrator training System configuration, installation and testing Automation elements - PDF creation, email notification Collaboration tools configuration Vault user Training Go live assistance Final system documentation handover 	<p>Working with you to deliver your projects with your new skills and workflows</p> <ul style="list-style-type: none"> Industry experts integrated into your team On site, On project assistance Designed to get the best from the software and user that directly benefits project specific requirements Maximises your return on investment and increase user adoption of technology

**Book your FREE
 Business Discovery
 Meeting to see how the team
 can help you**