

SUCCESS STORY

dRofus Checks All the Boxes for Stantec

Stantec, a global leader in the building industry, has engaged in many complex projects that involve detailed planning, data intensive designs and globally distributed teams. They needed a solution beyond Excel spreadsheets and homegrown workflows to standardize project planning, streamline process and integration with Revit, all while supporting multi-office collaboration.



PROJECT DETAILS :

CLIENT: Stantec

INDUSTRY ROLE : Architect & Engineer

PROJECT TYPE : Public Private Partnerships (P3),
Hospitals, Education, Industrial, Interiors



«dRofus helps teams to better do the things they've already been doing»

Robert Manna,
Associate, Buildings Digital Practice Team,
Stantec

Stantec evaluated several planning and data management tools, but the alternatives were cumbersome and limited in their scope. Robert Manna, an Associate with Stantec's Buildings Digital Practice Team, suggested trialing dRofus on a project. That pilot was a great success as **dRofus “did all the things that we used to do manually in Excel or Revit directly all in a user-friendly interface that is fully customizable.** It was also easy to generate reports with the click of a button - dRofus checked all the boxes” said Tammy Adolf, Stantec Associate & Integrated Design Data Manager.

Making Planning More Thoughtful and Disciplined

dRofus makes the planning process “more thoughtful and disciplined,” says Robert. Prior to dRofus, planning was often done in a piecemeal fashion with information stored in various files and formats. **By centralizing the planning data into one source with dRofus, “it’s more effectively managed and tracked, and more visible. It results in a higher quality product, with fewer errors and omissions, which leads to a better outcome.”**

dRofus makes data accessible to the entire project team and people interact with dRofus in various ways ranging from highly skilled, power users, who constantly interface with dRofus, to those who rely solely on reports to view data without ever touching the soft- ware. With dRofus, users don’t need to have knowledge of Revit, in fact, many team members, including clients and contractors, view detailed reports without ever opening a model.

Best Practices

NAVIGATION

DIGITAL PROJECT EXECUTION PLAN
COLLABORATION MATRIX
QUICKSTART GUIDE
STARTING A PROJECT
WHERE ARE MY FAMILIES?
TIPS AND TRICKS
ACQUISITIONS
Contact Us



Home



Best Practices



PM Resources



Tools & Apps



R&D



Model QC



Education

Implementing dRofus on a Project

Introduction

dRofus is a powerful database application used primarily for managing building program data. It is integrated with Revit to provide seamless integration and validation of project data across both platforms. It can also be used to generate reports such as Room Data Sheets and other programming documents. As with Revit, implementing dRofus requires a good amount of training and project planning to fully realize the benefits. Fortunately we have a growing team of experts to assist project teams with proper implementation as well as a defined project implementation plan. This page is not intended to be a resource for best practices but rather a resource for teams looking to implement dRofus for the first time. The following outlines the process for developing a dRofus Project Implementation Plan.

Useful Links

[Download dRofus](#)
[dRofus User Guide](#)
[dRofus Requirements Form](#)
[Sample dRofus Reports](#)

Saving Resources During Design

One major limitation with the (historic) model centric workflow, was that you needed to model something to quantify it, resulting in modelling too much too early. This burned through project resources and often resulted in misinterpretation or misrepresentation of client requirements. These are challenges the whole industry continues to wrestle with and **dRofus has provided a “safe, secure and re-usable” platform to structure and manage data, track changes and ensure valuable information isn’t lost.**

For Stantec, efficiency benefits were first realized during the bidding phase on P3 projects. Historic procedures were to create a model for the bid phase, containing specific planning elements and data purpose-built for generating drawings and various reports. It was a time consuming and manual effort to collect and transform all the data from these models into the appropriate documents and reports. Once a P3 was won, the bid model was archived and a new model created from scratch, losing valuable planning data that had been entered directly into the model.

Now, even if the bid model is archived, the **data inside dRofus can be re-used through the entire process and can be integrated quickly and easily into the new design model.** The planning data is highly adaptable since it’s organized in a flexible system that can evolve over time to meet the needs of the team at each project phase. Through the Revit plug-in, teams can hit the ground running to efficiently move through design and documentation of projects.

Level:	LEVEL 2		
Department:	B2 - Primary Patient Services 10 - Supportive Care 1 - Integrative Oncology 3 - Group Therapy Area		
RDS Status:	Unique		
Categorization	Areas		
Name On Drawing:	Gen Store	Programmed:	10.00 Patient Care Class: NA
User Room Number:	2.10.1.3.4	Actual:	10.02 Security Zones:
dRofus Ref Number:	B2.10.1.021	Perimeter:	18.33
Room Design Requirements			
Non-Recurring Room Requirements			
Table	29 Large enough for 50 chairs stacked, yoga mats, meditation cushions, meditation stools, blankets		
Acoustics			
Acoustics Performance Requirements			
Noise criteria from existing or known future external sources, dB(A), Leq 1hr 50 Internal noise criteria from mechanical and electrical services, RC 50v Sound Masking Spectrum Sound Transmission Class - Walls Without Doors (STC)*** 35 Sound Transmission Class - Walls With Doors (STC) 35 Sound Transmission Class - Doors (or total rating with pair of doors); (STC) - Impact Isolation Class (IIC) - Minimum reverberation time in seconds at 500Hz - Vibration base curve 8			
Comments			
RDS Review Notes			
Note Final locations of electrical engineering services will be determined during Clinical User Group meetings. IE: quantities of data outlets noted in the various rooms represent a total number and includes those required for equipment, multilevel displays, clocks etc.			

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Tammy Adolf,

Associate & Integrated Design Data Manager,
Stantec

Checks and Balances

Prior to dRofus, changes in Revit might not have been coordinated with documents. Now, **global changes are made within dRofus with the touch of a button and flow through the entire model as well as related schedules and area reports.** This is critical for quality assurance and provides another benefit—real-time pricing. “Within minutes, new pricing information can be delivered to a client letting them know the impact of a change,” says Tammy. Clients place a premium on these capabilities which enhance satisfaction and demonstrate that checks and balances are in place. dRofus helps to eliminate rogue compliance issues and pushes changes through a defined workflow. In the past “Keeping track of data sheets, room names and numbers, equipment, was often done by multiple people across a team and was an administrative hassle,” says Tammy. “With dRofus, we now have established workflows within a single, controlled system.” **These benefits carry through into Construction Administration so changes made during construction can be fed back into both dRofus and the design models ensuring consistency of both the data and drawings.**

An Organic Approach

Stantec has taken an organic approach to deploying dRofus to project teams, intentionally avoiding being overly prescriptive. From a corporate perspective, Stantec provides a variety of ways to support the solution including project specific training, startup support and onboarding assistance. This approach has proven to be successful as leaders emerge in offices across the company organically building a network of subject matter experts to help drive adoption. They also continue to find dRofus’ technical support team to be a great resource to assist Tammy and her team as adoption expands in new offices. Tammy and Robert say, “We aren’t trying to force a solution upon people, instead, the benefits of using the dRofus solution are speaking for itself” and that has proven to be the case time and time again. Stantec’s leadership sees the value of dRofus and supports its use across all Healthcare projects as well as in other practice areas – especially those that have complex planning and data needs like Education, Industrial and Interiors. Robert sums it up by saying “dRofus helps teams to better do the things they’ve already been doing” and allows Stantec to provide its clients with a consistent set of deliverables that enhances the professionalism Stantec prides itself upon.

ABOUT DROFUS

The leading planning and data management solution for the global building industry. dRofus is a unique planning, data management and BIM collaboration tool that provides all stakeholders with comprehensive workflow support and access to building information throughout the building lifecycle. We are committed to Open BIM and as part of the Nemetschek Group, our aim is to deliver the best possible, most innovative and most successful AECO software solutions.

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