



Photo Credit: Scott Norsworthy

# Quasar Consulting Group Gains Efficiencies with IMAGINiT's ProductivityNOW Platform

## The Organization

**Quasar Consulting Group** was founded by a group of industry leaders who share a common vision for changing the face of consulting engineering. Their core values of Quality, Service, Accountability, and Relationships are not only embedded in their company name but in everything they are. With five offices across Canada, specializing in Mechanical, Electrical, and ICAT Engineering, Sustainability Advisory, Building Performance, and Commissioning Consultancy services, Quasar offers engineering solutions for all types of buildings, tailored to their client's needs. They have developed a highly specialized approach to their projects, utilizing modern technologies and design strategies to deliver superior building performance in collaboration with their design partners.



## The Challenge

Established in 2018 through the acquisition of Racon Engineering, Quasar is experiencing tremendous success, which has led to the hiring of many new professionals.

"We hired almost 50 new team members over the last few months," said Navid Hoorzad, Design Technology Lead, Quasar. "While a large influx of new people is exciting, it comes with some technical challenges, such as onboarding, understanding their skills with the Autodesk software we use, providing training to fill any gaps, and bringing them up to speed on our standards, to name a few."

Helping Quasar address these challenges are Autodesk and IMAGINiT Technologies.

## Quasar and Autodesk Software

"I prefer Autodesk software over competing software because it's constantly evolving," said Navid. "Not only does the annual updates automatically provide us with new tools, functionality, and capabilities, it forces us to become efficient at adapting to change. The engineering field changes constantly and being skilled at understanding and implementing change allows us to pivot as needed and keep projects moving along smoothly."

Quasar has been using Autodesk AutoCAD, Revit, and Navisworks for years.

Currently, Autodesk Revit is the primary design tool used by Quasar, however they still have certain teams that utilize AutoCAD.

"While there is a real benefit to having a single software used throughout the company, due to the nature of their work, the Tenant Fit-Out group receives plans from customers that are generally in AutoCAD or PDF files," said Navid. "By working in AutoCAD, they are able to complete the projects quickly, often within a day."

Committed to moving everyone to Revit, Quasar is looking into developing a workflow that will allow the Tenant Fit-Out group to complete projects just as quickly in Revit. By doing so, the team will reap additional benefits such as getting the 3D geometry, working in a 2D space, creating realistic geometry with exact coordinates and geolocation spaces, and identifying elements in clash coordination and quantity takeoffs, none of which are possible in AutoCAD.

## Quasar and IMAGINiT Technologies

Quasar partners with IMAGINiT for their Autodesk licensing needs as well as IMAGINiT's propriety tools, training, and support that help them respond to the increasing workload while getting and keeping employees current on Autodesk software functionalities.



### DECIEM 123 Eastside

DECIEM's existing and aging 120,000 sq.ft. manufacturing and packaging facility required a major renovation to modernize their ongoing operations and bring the facility into compliance with current GMP requirements for cosmetics compounding, sanitization, filling and packaging. The renovation would also provide additional manufacturing capacity to increase product production to satisfy DECIEM's current growth profile.

Photo Credit: Scott Norsworthy

- **IMAGINiT's Clarity for Revit** – By automating repetitive Revit tasks, this software helps save Quasar valuable design time and reduces the chance of errors. Clarity also produces monthly reports that state the number of hours saved by using it. "Most recently, we saved about 200 hours in just one month," said Navid.
- **IMAGINiT's ProductivityNOW** – This professional development platform houses eLearning resources for CAD and BIM teams of all levels to learn how to optimize their Autodesk software. The resources include self-paced courses with quizzes, white papers, how-to videos, industry learning paths and more.
- **Ongoing Support** – Quasar has an internal support protocol that directs team members with technical questions to open a support ticket with IMAGINiT. "I am copied on all communications and can see that most issues are addressed within one day," said Navid.



### Toronto Police Services Division 41

The new TPS Division 41 is a 65,000 sq. ft., 2-storey building that houses the Toronto Police Services' South East District Headquarters. The primary objective of this project was to provide a comprehensive facility equipped with various program areas. This site is due to be the first net-zero emission police building in Ontario, with enhanced energy recovery AHUs, a high-performance envelope, and PV generation on the roof.

Photo Credit: WZMH



### 89 Church, The Saint

New 312,200 sq. ft., 407-unit, 46-storey residential tower with 6-levels of parking and ground floor retail space. Quasar's mechanical and electrical design for this project included a 4-pipe chilled and heating water system utilizing chillers with variable speed compressors and multiple internal module high efficiency condensing boilers. The design also utilized LED lighting throughout the building and chilled condenser heat recovery to pre-heat the domestic hot water. The mechanical plant was modelled in Revit to LOD 400 fabrication level to ensure all equipment and piping would adequately fit the space.

Photo Credit: Minto Communities and Norm Li

"By partnering with IMAGINiT, we are better prepared to deliver sustainability-driven and innovative solutions to our customers," said Navid. "With ProductivityNOW, we have streamlined our onboarding process; we provide guidance on content each new hire needs to review and learn, and they access it at times convenient to them. We can track their progress and provide assistance as needed. ProductivityNOW is also an important tool for all our Autodesk software users who leverage it to stay up to date on software updates, so they can benefit from new tools and functionalities."

Navid continued, "Our IMAGINiT account manager stays in contact with us and never tries to push products or processes. Instead, he listens to what we do, and ensures that we get the tools we need. IMAGINiT has earned our trust, and we look forward to working with them for years to come."

Discover how IMAGINiT can help you increase the return on your Autodesk software investment.

[Contact us today.](#)

### Solutions Beyond Software

IMAGINiT Technologies, a division of Rand Worldwide, helps architects and engineers become more proficient in the use of 3D technologies to design, develop and manage complex engineering projects faster and more cost-effectively.