# Construction Services

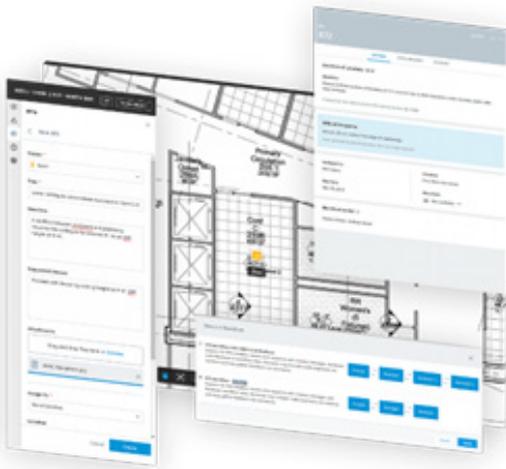**excitech**
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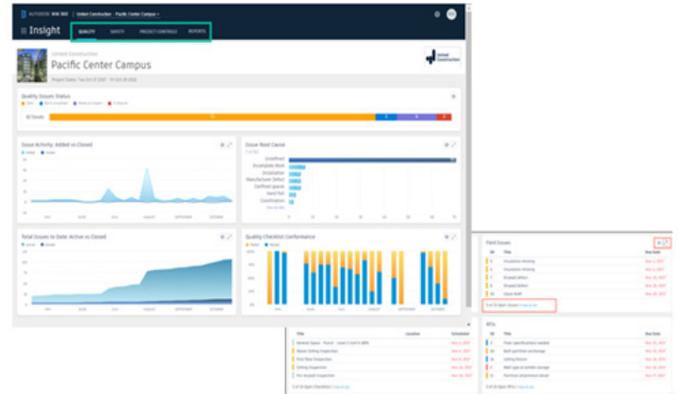
## Project Reporting and Analytics

As our industry goes through a digital evolution so is our data and the way we collate, utilise and report. Information is a key driver to gaining benefits as we move to digital construction and if you think the amount of data we collected traditionally during construction via paper forms, check list, reports, defects and health and safety compliance etc, we could definitely fill a few shelving units on our sites. But what happens to most of the data once the project is completed, it is stored or skipped, but never referenced.

As we move to digital forms, checklist, snagging reports, defect lists to name a few, the data is all centrally stored in the cloud, not just for the single project but all projects across the main contractor's hub. By doing this it is now giving us the opportunity to start reporting and running analytics on this.



Automatic scheduled reports can be issued and configured to present the right data to the right personnel on the project, so that the amount of labour on the site and the activities completed can be monitored and any issues or defects are raised, monitored and closed out in the agreed time. However we can take it one step further and start to track the root cause of the issues and defects raised to see how a specific trade is performing, so if the cladding contractor is always getting poor workmanship issues raised against their work and they are taking more than 2 weeks to resolve these issues, this

can be presented back to the work package manager, site manager and project manager etc.



All the digital data is then also collated in a project dashboard, so problems and performance can be brought together in an easily configurable view. By using charts and graphs we can see the main root cause of issues, checklists that have been completed and which trades are performing or not.

If we bring this project data together across all the projects delivered and link this with Artificial Intelligence and Machine Learning, we can begin to start to predict risk, health and safety and quality problems and performance of specific trades right across a business. Autodesk Project IQ is pushing the boundaries of analytic reporting and will keep developing and learning as more and more data is collated across the many projects being delivered.

Reports can be presented in a simple, easy to understand graphical format using industry standard tools such as Excel or Power BI and can be live linked providing instant feedback on project performances across the business.

For more information on our construction services please call 01992 807 444 or email **marketing@excitech.co.uk**.

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### Features and Benefits of Project Reporting and Analytics

- Automated reporting – right data, right place, right time
- Greater management in sight to project delivery
- Earlier identification of possible risk or delays
- Project and cross project and company analytics
- Reduce risks

- Project and company visibility of performance
- Track delivery
- Monitor trade delivery
- Reinforce Lean Construction practices
- Measure performance and drive continuous improvement

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