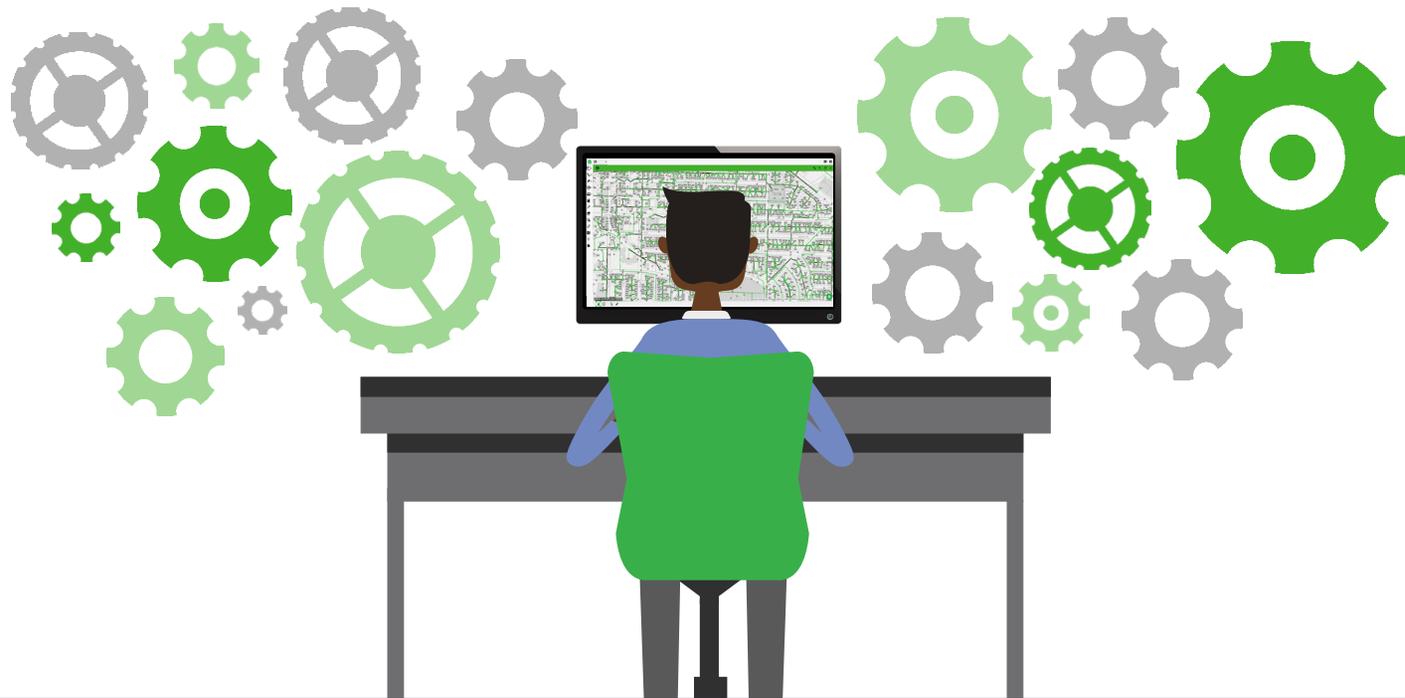


SEVEN THINGS TO  
REMEMBER WHEN

# MAKING THE CHANGE TO AUTOMATION



## ① There is no such thing as a 100% design

Challenge the philosophy that the design has to be 100%. Oftentimes we tend to work towards that type of expectation, but in reality what we see is significant change that occurs in the field either through the construction rideout process, validating the path, all the way into the as-built stage. Don't let an expectation of perfection delay your project from getting off the ground.

## ② The field always changes the design

If we believe the premise of the first point that the original design can never be 100% correct and we acknowledge that the field crew will make alterations, then every project reaches a decision point when the team has to define what deliverable state makes sense. What completion percentage is acceptable for your standards before the design hits the field?

## ③ 100% exists at as-built...sometimes

100% really only exists in the as-built stage in terms of a final output. The caveat of "sometimes" is added because oftentimes that information doesn't make its way back into the system of record if an inadequate system is utilized. Challenge the status quo. After you identify what deliverable state makes sense so that you can both permit and construct the network in a reasonable and cost-effective way, make absolutely certain you adopt a system that roundtrips the information back to make sure that 100% gets into the as-built record.

#### ④ Data quality is directly proportional to automation quality

Prepping your data appropriately is absolutely imperative to your success in implementing automation techniques. Dedicating time in the beginning to ensure data veracity and integrity can save significant time and money. Good goes in...good comes out.

#### ⑤ Remember history

We are a society demanding of speed. Anyone in the automation world has encountered someone who expects everything faster than what has been done in the past. So even if delivery has occurred 3-5 times faster than what has historically been done, we're oftentimes asked to now deliver it 6-10 times faster. There is a happy medium that occurs there. Don't let unrealistic expectations cloud your success.

#### ⑥ Changes to specifications change the output

The more you reiterate using automated techniques, the more the output is going to change, and the longer the timeline is going to be. Take time to determine the workflow and avoid the "guess and check" method.

#### ⑦ Understand the tools available and their applications

Equip your team with the best instruments for success. Take time to research systems, software, and services that will ultimately make your automation goals easier to achieve and can expedite your timeframe of getting the process off the ground.

# GETTING STARTED

Ready to get started adding automation to your planning, designing, and building workflows but not exactly sure where to begin?

## **We can help.**

3-GIS provides geospatial asset management solutions for fiber network planning, design, construction, and management - specifically focusing on telecommunication infrastructure. Our automation solutions allow network planners to create a route to reach thousands of points in minutes.

Whether you are starting from ground-zero or your project is already underway, our team is ready and eager to assist and advise to ensure your network build is successful.

## **Want to chat about your upcoming project? Let us know.**

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