



# Design & Engineering

In our business, the stakes are extremely high. Projects often involve millions of dollars and multiple expansions. Since our inception in 1985, we've learned that it's crucial to draw a roadmap in the early stages to move smoothly through every step, yet still maintain enough flexibility to adapt to a client's changing needs and new technologies.

PCC Network Solutions has a strategic approach to creating efficient, high-performance communications networks. We begin by working with the management team to establish the specifications. Then, with as little or as much involvement from our client as desired, we can perform budgeting, network design, procurement, installation, and certification testing, as well as ongoing maintenance.

**SITE SURVEY** • Every project, whether wired or wireless, begins with a thorough site survey. We hold a comprehensive requirements review with the client to ensure that all design and performance criteria are understood in advance. After a detailed review of blueprints and/or actual field measurements, PCC Network Solutions will validate the scope against the initial design and adjust and optimize as required to ensure the deliverables meet the client requirements.

**DOCUMENTATION** • An internal report is generated outlining results of the survey and recommendations on deployment. Findings include potential cable drop locations, data center and office equipment locations, wireless networks, potential interference issues, wireless equipment location, recommended RF channel assignments (in the case of Wi-Fi) and RF signal mapping, power requirements, and other related configuration information.

**AUDIT SERVICES** • PCC can also perform an audit of your newly installed or existing communications infrastructure to enable you to validate whether you've met your original design and performance objectives. We can even optimize your network by redesigning and/or reconfiguring it to deliver the coverage and performance you were expecting.

## WHERE YOUR NEEDS ARE CONCERNED, WE'VE BEEN THERE BEFORE

PCC has designed, built, and delivered a broad range of solutions including structured cabling, physical security, data centers, and wireless networks. From coast-to-coast, our clients include Fortune 1000® companies, Small-Medium Businesses (SMB), municipalities, and academia – and we have developed long-lasting relationships with many of them. We are certain that we have the breadth to provide your organization with the appropriate response to meet your needs. More often than not, our response goes beyond your expectations.



**PCC Network Solutions**  
Design. Build. Deliver.

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