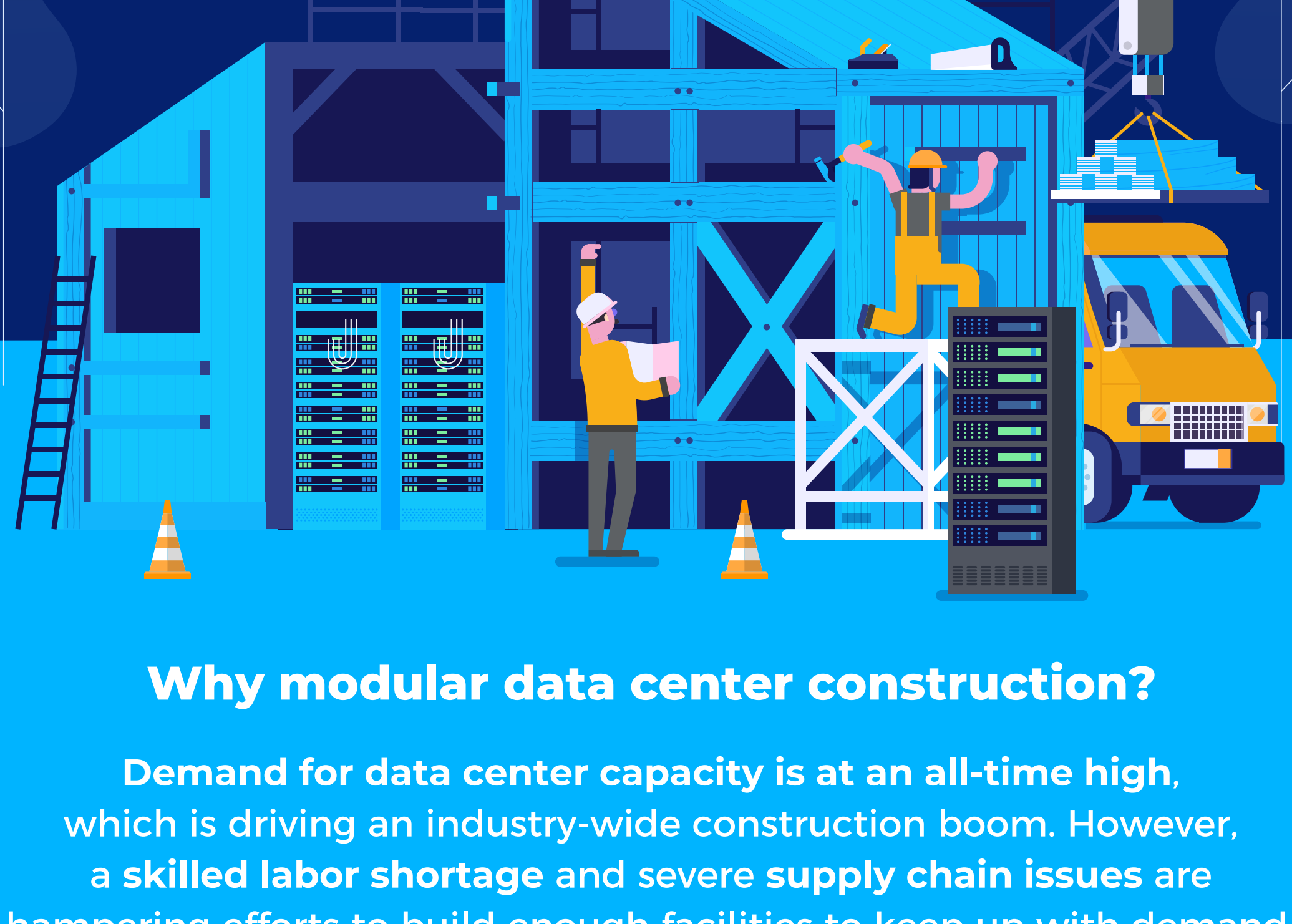


WHAT TO EXPECT DURING

A Modular Data Center Project



Why modular data center construction?

Demand for data center capacity is at an all-time high, which is driving an industry-wide construction boom. However, a **skilled labor shortage** and severe **supply chain issues** are hampering efforts to build enough facilities to keep up with demand.

Modular data center construction is a practical alternative to stick-built data center construction that alleviates most of the common pain points data center owners are navigating.

The Benefits of Modular Construction...

Prefabricated, modular construction **shifts labor requirements away from the job site**. Because modular data centers are built off-site in a climate-controlled facility, the need for clients to hire and coordinate individuals on site to build the project is reduced.

Partnering with a **vendor-agnostic modular data center provider** won't resolve all of the supply chain issues, but it does make it easier to source components.

Time to delivery is expedited, compared to traditional construction projects. On average, **modular cuts construction time by 30 percent** or more.

Modular construction follows **manufacturing best practices**, which mitigates quality issues with QA checkpoints throughout the build process.

There's no need to overprovision or pay for capacity you don't need today. **Modular construction lets you scale up or down** as needed—if and when capacity needs change.

Modular's streamlined, **low-waste, high-efficiency construction process** can reduce costs by as much as 30 percent, compared with stick-built construction methods.

How?

What should you expect during a modular data center project?

Now that you know the “whys” of modular data center construction, let's look at the “hows.”

From initial contact to installation, we believe it's critical to know what to expect at every stage of the modular data center purchasing process, as well as what takes place during the client's buying experience with PCX.



Here is a **stage-by-stage** look at how the process works when you partner with PCX

1

Find the right modular data center construction partner.

Partnering on a project this size is a two-way street. For the project to succeed, it is essential that both parties establish a mutual understanding of organizational goals, project expectations, and desired outcomes.

PCX asks each prospective client a series of qualifying questions to determine whether the partnership is a good fit. These questions cover project specifics, such as the type of solution needed, how many units are required, and the timeline for delivery and deployment.

During this engagement process, the client should carefully assess the potential partner's ability to build a solution that meets their requirements. This assessment must factor in the partner's level of experience, expertise in the type of solution desired, how client focused the partner is, and whether or not they are vendor agnostic.

2

Scope

PCX hand selects the client support individual for every project, to ensure they fully understand your project goals and needs. Since this is a partnership, we need input from both sides to scope the project accurately.

This scoping process begins with the client sharing their technical requirements and the desired timeline for delivery.

PCX then provides a non-binding budgetary estimate to enable both parties to decide whether the partnership is a good fit from a price perspective.

In order to reach agreement at this stage, PCX and the client must also determine a few additional things, including what, if any, equipment will be furnished by the client and at what point does PCX responsibility end with the client assuming responsibility for ownership and operation of the data center solution.

3

Contract

During the contracting stage, the PCX engineering team develops the project specifics for PCX and the client to review together.

Based on the results of this review, firm pricing is established, the contract is signed and the client issues a purchase order to PCX for components that are not being sourced by the client.

4

Design

The design stage includes the final data center design and the compilation of specifications about the equipment that PCX will install.

The design plan and the equipment information is compiled into a submittal package and sent to the client for review.

The client reviews the design and specifications, and confirms that what is in the submittal package is what PCX and the client agreed upon in terms of scope, materials, and equipment.

5

Build

With designs and specifications approved, the design drawings are converted to manufacturing drawings and construction begins.

The manufacturing team receives, inspects, and inventories all components furnished by the client and procures all of the other parts required to complete the manufacturing process, including:

- Fabricating the steel structure/enclosure
- Mounting and configuring all of the equipment
- Completing pre-wiring and inter-connections

Throughout the build process, PCX's trained QAQC staff conduct extensive quality checks and UL Certification if required by the client.

6

Final acceptance by client

When the build is complete, factory acceptance or witness testing is performed as defined in the script developed collaboratively by PCX and the client.

The unit(s) is/are transported to the deployment site by PCX, with crane and rigging conducted by PCX's field services. The solution is then leveled and anchored in place.

Initial startup and commissioning of the modular data center can be conducted by either PCX or by the client, depending on the terms of the contract.

Why Partner With PCX?

PCX is a leading provider of modular data centers and modular solutions. We deliver a turnkey modular data center—from the initial vision to deployment—to your site in a fraction of the time it takes for stick-built construction.

Our vendor-agnostic approach means we can customize procurement of materials to meet your needs, while providing a dedicated, in-house project owner to coordinate project flow from start to finish.

Contact us to learn more about the modular data center purchasing process and how premanufactured construction can alleviate many of today's most common industry growing pains.

[Contact us](#)

