



# Instor develops and delivers infrastructure on time and under budget for leading technology company

## Background

One of the country's leading technology companies needed to build out infrastructure for a 4,500-square-foot colocation data center, and it needed to do so under an extremely tight deadline. With just 45 days to prepare the new data center in a colocation space in Franklin Park, Ill., the company was not only ordering new equipment for the build out but also moving existing systems out of one of its Canadian data centers. Facing such an aggressive timeframe, the company's experienced deployment team chose Instor because it needed an equally experienced partner to complete the project on time and on budget.

## Goals

The technology company required a turnkey, scalable infrastructure for its high-density, raised-floor data center. As is traditional in a colocation environment, the technology company was allotted a white space with cooling and a given quantity of power from the UPS. Instor was responsible for the complete build downstream from the facility's PDUs – everything from acquiring and installing the physical security cage for the colocation data center to wiring all power distribution and installing custom airflow containment systems. Typically, a similar project takes about six months to build out from the floor up. Instor had 45 days and would manage the project from beginning to end.

## Solutions

Instor's team drew on its extensive experience to carefully manage time, quality, and budget from day one. Starting with essentially a blank slate, we mapped out the data center to maximize power efficiency, optimal airflow, and scalability. We collaborated with the deployment team to quickly select necessary equipment and place orders with vendor partners as soon as the project began. Once we placed orders for the longest lead-time items, we immediately began building out the rest of the data center.

Instor worked closely with the company's deployment team, but ultimately we were the ones charged with pulling together and managing the wide network of people it took to complete an extensive build-out in such a limited time. Instor brought a number of our own [experienced installers](#), and to supplement our team we researched, sourced, and ran a team of local contractors who met our standards for white-glove service. Among the items on the task list:

- Install all power distribution from rack PDUs to remote power panels
- Complete floor tile work to establish airflow and access
- Design and install ladder rack and fiber raceway design
- Install cabinets
- Install structured cabling to all cabinets and network connectivity to multiple service providers



- Provide APC network consolidation racks and associated rack PDUs

The company chose RPP-centric power distribution from Eaton to provide efficient power distribution that would grow with the data center, and it commissioned Instor to create a custom thermal containment system that is projected to achieve ROI within 18 months. The first containment system of its kind in any of the company's data centers, the structures combine hard and soft "walls," as well as Electrorack end aisle doors and vertical panels above the cabinets.

Instor's experienced project management successfully brought together and coordinated skilled teams, detailed budget guidelines, and comprehensive timelines to design and install the infrastructure the company needed. At the end of 45 days, Instor not only outfitted the company's turnkey, scalable data center on time – we also did it under budget.