



Case study: Chirisa Technology Parks (CTP)

About Chirisa Technology Parks (CTP):

Chirisa Technology Parks (CTP) is focused on developing highly connected data center campuses with ample power availability in high-demand growth markets in the United States and Europe. CTP's existing data centers are located in Richmond, VA; Chicago, IL; Piscataway, NJ; Pittsburgh, PA and Seattle, WA.

CTP currently has over 1,000,000 square feet of purpose-built data center capacity under development, with a pipeline in excess of 1GW under development in the USA and Europe. CTP's designs and rapid delivery process are focused on high-efficiency, leading-edge deployments.

CTP has broad capability to partner and/or operate critical facilities, offering solutions for powered shell, build-to-suit, and turnkey delivery of assets for large and sophisticated customers.

Client considerations:

The decision to deploy 30 of the Excool Zero units in CTP's Richmond campus was based on Excool's ability to deliver on a tight timeframe, the Zero unit's ultra-low water consumption to drive market-leading water-usage effectiveness (WUE) and its low-power usage to maintain a low power usage effectiveness (PUE).

EQUIPMENT DEPLOYED:
30 X 450KW EXCOOL
ZERO UNITS (EXHR4506UL)

Project overview:

Chirisa Technology Parks' Richmond campus is currently the largest project for Excool in the US.

There are 30 Excool Zero units with 450kW capacity onsite that were delivered in 2024. The 30 units span across two data halls, both of which service different types of AI workloads and high-performance compute.

Selection of the Excool units was based on the ability to deliver on a tight timeframe, ultra-low water usage to drive market-leading WUE and low power consumption to drive a low PUE.

The project originally had a tight turnaround of 22 weeks, including a 5-week delivery window. Our market-leading equipment lead times and tried-and-tested Zero units meant that this was possible.

Excool commissioned the site using a combination of on-site engineers and remote commissioning support and have advanced a full-time service and maintenance engineer locally in the Richmond area to support the site long-term.



CHIRISA TECHNOLOGY PARKS' RELATIONSHIP WITH EXCOOL IS AN EXTENSION OF OUR COMMITMENT TO CREATE A POSITIVE IMPACT ON THE LOCAL COMMUNITIES AND ENVIRONMENT IN WHICH OUR HIGH-TECHNOLOGY CAMPUSES OPERATE.

