

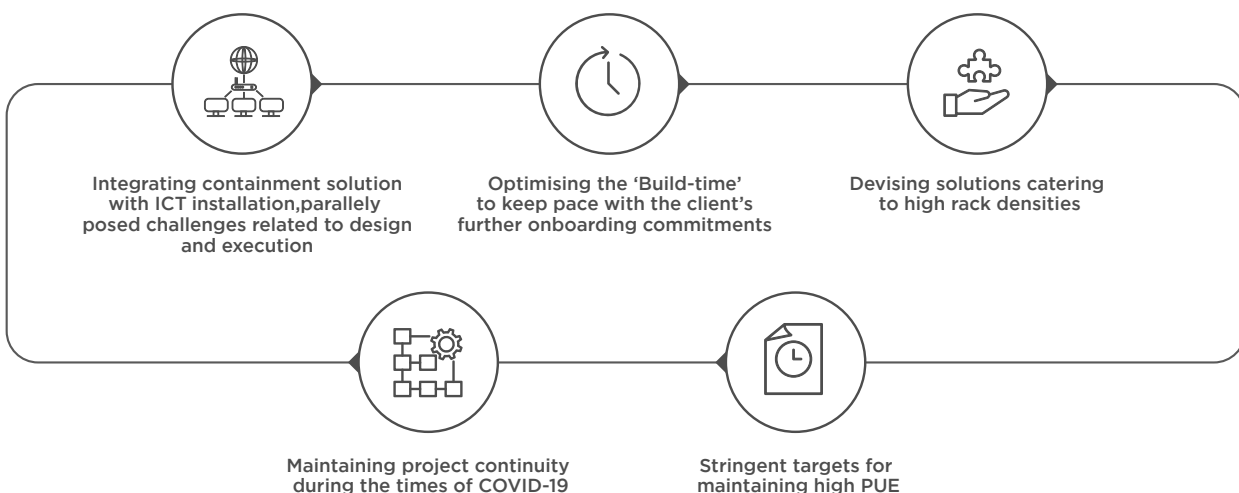
# Integration of ICT and containment solutions for an optimised Data Centre build-time

## PROJECT BACKGROUND

Known for its hot/cold aisle containment solutions, Vulcan Global (now an STL company) was approached by one of the largest cloud providers in the world. The total project value was Euro 750,000 million. This mega-scale project spanned ICT installations in a 30MW colocation facility along with the cold aisle containment for a high power density environment.

The ask was to provide containment solutions integrated parallel to ICT installations so that the cumulative data centre build time could be reduced drastically.

## CHALLENGES THAT WE FACED (AND MITIGATED)



## STL SOLUTION TO DELIVER EXCELLENCE

We took an integrated design approach for ICT solutions and containment delivery. The solution was devised keeping in view sophisticated power estimates to arrive at the best-fit containment design. A special time crunched plan was made to achieve parallel and faster execution for both ICT and containment. The company used best-in-class materials to deliver the most efficient solution with the highest standards.

Vulcan Global provided following containment solutions:

- Cold aisle containment/earthing and grounding
- Containment capacity planning
- Under floor & above false ceiling secure caging design

Vulcan devised a sophisticated cold aisle containment solution to meet client's timescales and budgets.

As a result, complete installation was done at a much higher pace and the colocation data centre was ready 4 weeks earlier than the scheduled time bringing cost efficiency by decreasing overall energy consumption.

The company is now installing its containment solutions across EMEA.



## IMPACT DELIVERED

# 40%

Decrease in installation time

# Faster

Monetization for the customer

# Zero

Health-related incidents on site, even at the times of COVID-19

# Future Ready

Design and processes

# High cost efficiency

To ensure continuity and security