



Stefanutti Stocks

data center **construction**



excellence in execution

data center construction

Stefanutti Stocks has an established track record of successfully constructing and delivering Data Centers and all associated infrastructure. Our broad spectrum of expertise, our strong solution-based culture and our capacity within the construction environment enables us to offer a single point of responsibility on multidisciplinary projects, effectively removing the interface risk from the clients' domain.

multidisciplinary capabilities

Our multidisciplinary nature and our propensity for focusing on pre-planning support our ability to deliver fast track, world-class specialised data center construction projects. Our full-service offering encompasses multi-faceted capabilities that range from building the specialised structures that house the data centre; to the design and installation of all mechanical, electrical, wet services and fire services; all the way through to commissioning.

We utilise 3D building modelling software, such as Building Information Modelling (or BIM) to support coordination on site during the construction phase, and once completed our clients receive an 'as built' 3D model of their facility.

data centers – a one-stop solution

Our engineering, civils and general construction capabilities span bulk earthworks, piling and geotechnical, building and management, M&E (mechanical, electrical), structures (including specialized steel structures), civils, BIM and PQS/scope measurement. Our full-service offering means that we have the capacity and capability to seamlessly deliver a full data center build.

We have already delivered multiple complete build projects – from earthworks platform stage through to level 3 commissioning, culminating into integrated system testing level 4 and 5 with our clients.



in-house MEP

Our in-house MEP capability and know-how means that we have the experience to either manage specialist subcontractors, on behalf of our client, or in fact complete all M&E and structural steel work in-house.

This in-house MEP capability also means that we can both price and execute the structural steel, electrical and mechanical disciplines in house, thereby offering our clients a complete one-stop solution.

BIM platform

All our construction projects are managed and operated on a BIM platform and our in-house BIM Modelers take full ownership of the BIM Model, including inputting all approved workshop drawings; and dealing with clash detection within the model to ensure that the project is managed on a live coordinated 3D model and to the benefit of all stakeholders. Once the project is completed, we hand over a fully coordinated, as-built model to our client.

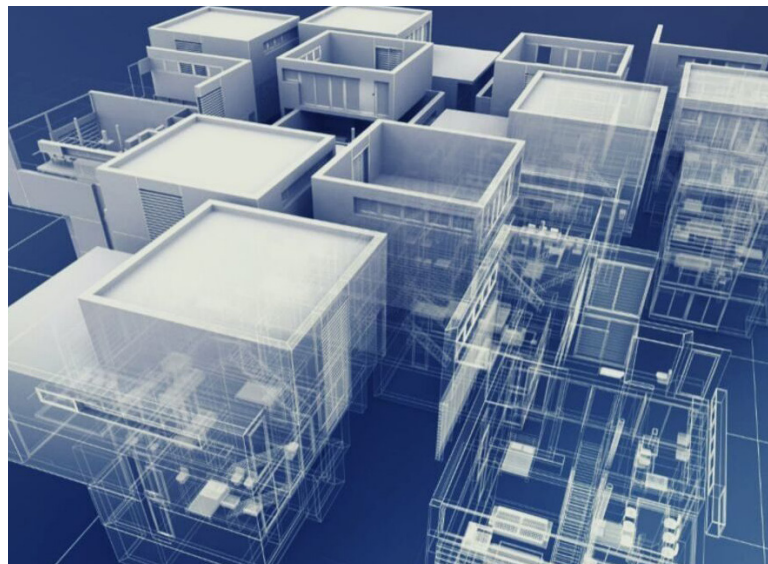
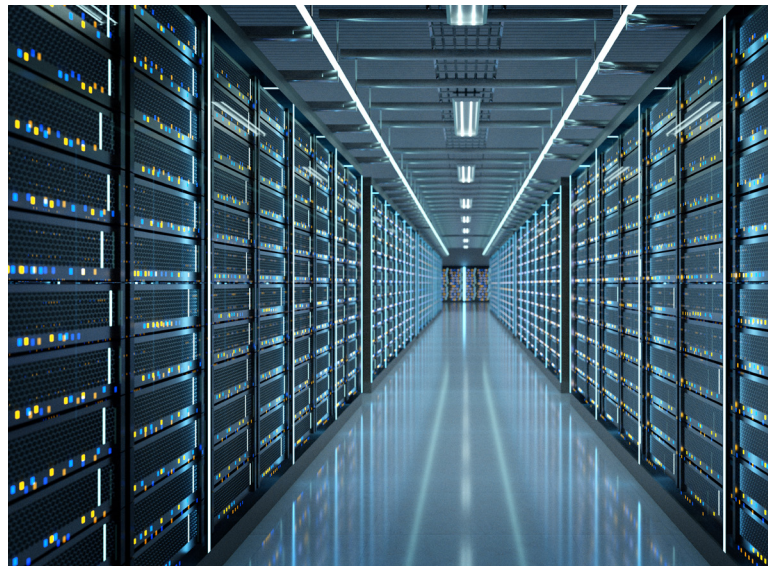
Advantages of operating on the platform include:

- Effective live communication within the team throughout the life-cycle of the project.
- One source of truth.
- Ability to pre-plan efficiently.
- Management energy focused on delivery goal.
- Reduce risk of costly delays.
- Improve understanding of activities making planning for HSE method statements simpler.

supporting seamless commissioning

The build periods for data centers are traditionally of a fast-track nature and timing during the build is critical. Our planning and programming activities, coupled with our world-class logistics and supported by our management controls ensures that the correct equipment is delivered at the time required. And, that it is then woven into matrix of other systems – connected correctly, communicating, and functioning correctly – to ensure that the complete facility meets design requirements.

This means that, although the actual testing and commissioning activities occur towards the end of the build, the activities supporting commissioning start much earlier, and in some cases even pre-contract. Our in-house Electrical and Mechanical Start-Up Engineers boast a well-established and proven track record in managing this critical component.



if **you** can dream it,
we can construct it

Stefanutti Stocks

Protec Park, Cnr Zuurfontein Avenue & Oranjerivier Drive,
Chloorkop, Kempton Park, South Africa
PO Box 12394, Aston Manor, 1630, South Africa

Tel: +27 11 571 4300
holdings@stefstocks.com

Stefanutti Stocks Building Western Cape

1 Manhattan Street, Airport Industria,
Cape Town, 7490
PO Box 6221, Roggebaai, 8012, South Africa

Tel: +27 21 834 6700
buildingwc@stefstocks.com

www.stefanuttistocks.com



excellence in execution