

An aerial night view of a city, likely New York City, with a dense grid of skyscrapers. A digital network overlay is visible, consisting of glowing blue lines and nodes connecting various points across the city, symbolizing a smart grid or network infrastructure.

SIEMENS

Siemens Connection Services for Building Network Operators (BNO's)

Siemens Plc

[siemens.co.uk/metering](https://www.siemens.co.uk/metering)

Siemens : The Experts in Connection Services

Siemens is a Global Managed Services provider with a unique level of UK Metering experience across decades. Our highly skilled engineers and associated support services give piece of mind to our hundreds of customers with their connection and metering services requirements. The safety of our people, our customers and your customers is our number one priority through our principle of Zero Harm.



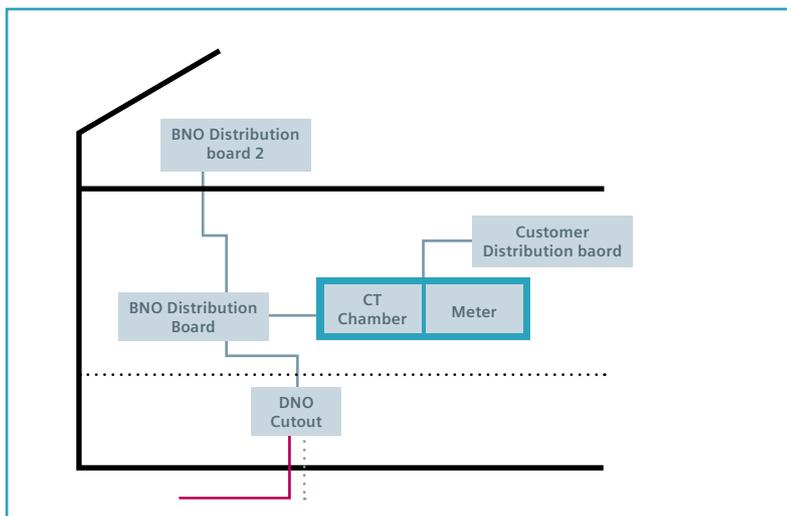
What is a Building Network Operator (BNO)?

A Building Network Operator is defined as “an organisation that owns or operates the electricity distribution network within a multiple occupancy building between the intake position and the customer installation.”

The Distribution Network Operator responsibility ends at the cut-out / intake position. From this point onwards the BNO manages the installation of the distribution board and cables between that and the individual properties. Please note that only the Distribution Network Operator can terminate your wiring from the first point of isolation to the cut-out / intake position.



How does this impact my project?



The Distribution network operator will not be responsible for the risers and laterals to multi-occupied buildings. Accordingly the electrical contractor will be required to install their own electrical connections within the building. Areas which often prove to be challenging is the installation of CT Panels, CT wiring and P283 commission test required by the Meter Operator and Energy Supplier. Correct metering type current transformers, connection and secondary wiring of CTs and incorrect tail size can lead to delays in meters being installed and ultimately a delay in the customer building being energised by the Meter Operator or Distribution Network Operator.

Siemens BNO Services

Siemens performs in excess of 5,000 LV CT connections in the UK each year. Our services range from installation of CT cabinets, provision and wiring of CTs, energisation to first point of isolation on LV systems. In addition to this Siemens is a licensed Meter Operator.

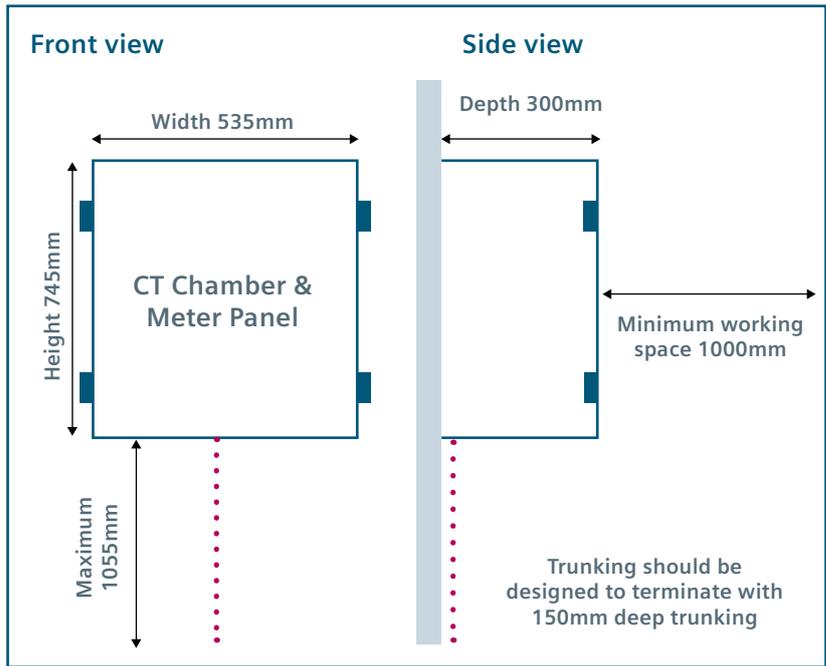
Our unique skill-set means that Siemens can provide and install the BNO CT Chamber connect and commission your CTs in line with Elecon P283 requirements and install your meters in the same day. It is achievable to converge all of the connection and Energisation activities into one day. This eliminates the complexities of having to manage multiple suppliers who all have differing timescales.

Choosing Siemens will remove weeks from your final connection and energisation timetable

Specifications

To the right are the space requirements for the Siemens installed CT panel. If Siemens is also the appointed Meter Operator we will install the meters and connect tails upon installation and secondary wiring of the CTs in the panel on the same visit.

Expertise and Piece of Mind from Siemens with the flexibility to meet your deadlines



Siemens requirements

In order to complete the installation on the first visit, please ensure that there is adequate space and suitable tails are provided by the site electrician. Below is a table to assist in the correct sizing of the tails.

Maximum power requirement (KVA)	Amps/per phase	Conductor size (mm ²)	Bonding conductor size (mm ²)	Recommended trunking size (Min)
70-115	100-160	50	16	150 X 150
116-144	161-200	70	25	150 X 150
145-172	201-240	95	25	150 X 150
173-201	241-280	120	35	150 X 150
202-230	281-320	150	35	150 X 150
231-262	321-364	185	50	150 X 225
263-309	365-430	240	50	150 X 225

Timescales

Siemens offers a standard lead time of ten working days for BNO panel installation and meter operator services however we understand that projects can often move so we do have flexibility for short notice appointments.

What next?

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