

A fictional case for illustrative purposes

- Customer request: an existing customer has a contracted capacity of 160kW and wants to install a small data centre, with the possibility of expanding later. To facilitate this, the customer wants to increase its contracted transmission capacity (CTC) to 850kW. The customer also has a combined heat and power (CHP) system – fed with biogas from its own manure – by means of which it returns 630kW (net) to the grid. It does this within a CC5 connection (1-2MVA).
- Issue: There is a bottleneck in the medium-voltage grid (10kV) operated by Liander in this area. This bottleneck, which is caused by voltage problems, means that Liander cannot accommodate new connections for either generation or supply. This problem occurs a few times a year, especially at times when there is a lot of sunshine, which is also when there is little demand, but also on winter evenings, when demand is high and there is little generation (local or otherwise).
 - This bottleneck will be relieved by upgrading the local medium voltage network.
 - Liander is expected to have relieved this bottleneck by 2024.