## Network:

* LV network
* 2 electrical buses
* 1 electrical branch = LV line 3x95² Aluminium
* nominal voltage 400 V
* the voltage limits are taken equal to +/- 5 %
* 10 clients on Bus 2 : 5 for consumption, 5 for PV generation
* the network can be generated with the script *example.py* or with the file *electrical\_network.json*



## Curves :

* file *curves.csv*
* there are 288 timestamp corresponding to one day (1 sample = 10 minutes)
* 5 different load curves for the 5 clients
* the same PV curve for the 5 clients
* active and reactive powers are provided, in kW and kVA
* the power for Pv generation is already negative

## Scenario:

* without PV there are no constraints
* with PV the maximal voltage value is 106,09 % of the nominal value