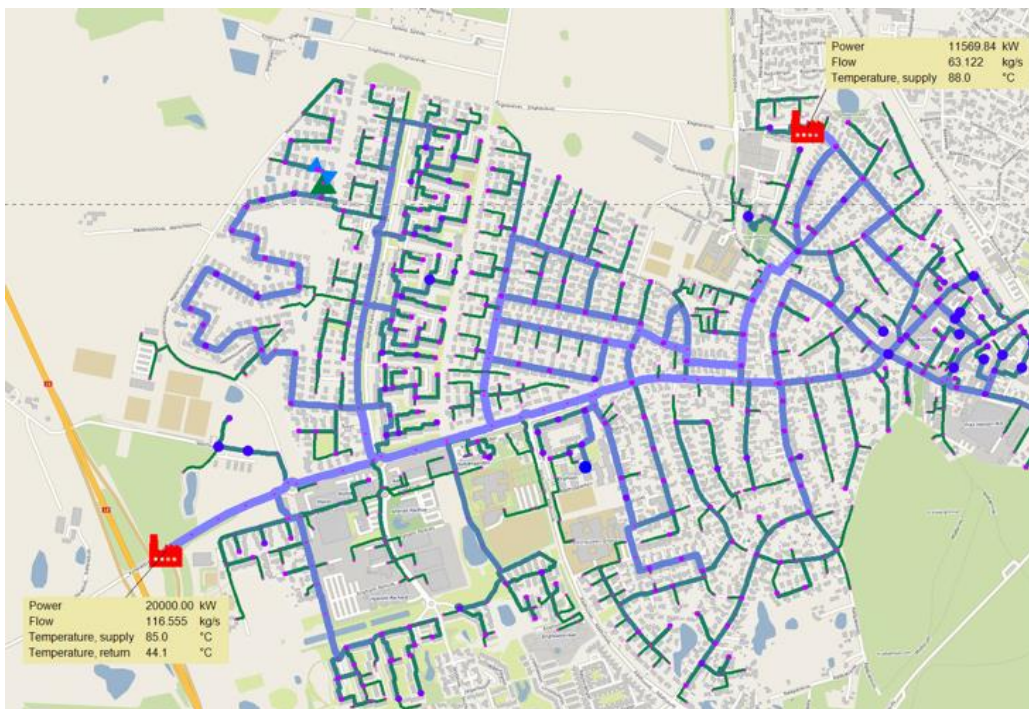# Heat Production Optimization
Danfoss Deliveries

Heating area

Architecture: single district heating network

Size: 1600 buildings

City: Heatington

Production units

Gas boiler

Name: GB
Max heat: 5,0 MW
Production costs: 500 DKK / MWh(th)
CO_2 emissions: 215 kg / MWh(th)
Gas consumption: 1,1 MWh(gas) / MWh(th)

Oil boiler

Name: OB
Max heat: 4,0 MW
Production costs: 700 DKK / MWh(th)
CO_2 emissions: 265 kg / MWh(th)
Gas consumption: 1,2 MWh(oil) / MWh(th)

Gas motor

Name: GM
Max heat: 3,6 MW
Max electricity: 2,7 MW
Production costs: 1100 DKK / MWh(th)
CO_2 emissions: 640 kg / MWh(th)
Gas consumption: 1,9 MWh(gas) / MWh(th)

Electric boiler

Name: EK
Max heat: 8,0 MW
Max electricity: -8,0 MW
Production costs: 50 DKK / MWh(th)