

ABSTRACT

METHOD FOR OPERATING A COMBINED-CYCLE POWER PLANT

Method for operating a combined-cycle power plant (1), the plant (1) comprising
5 at least a gas turbine (2) and at least a steam power generation system (10), the
plant (1) activating at least one electric generator (20) connectable to an electric
grid (21), wherein the gas turbine (2) comprises a compressor (3) and wherein
the steam power generation system (10) comprises a steam turbine (12), a heat
recovery steam generator (11) and a bypass line (40), the method being such
10 that the gas turbine (2) de-loads to a condition, where the compressor (3) oper-
ates at its nominal speed, the method being further such that the steam turbine
(12) de-loads in coordination with the de-load of the gas turbine (2), to a condi-
tion where the total load exported by the plant (1) to the grid (21) is sub-
stantially equal to zero, being both the gas turbine (2) and the steam power
15 generation system (10) connected.

Figure 1