

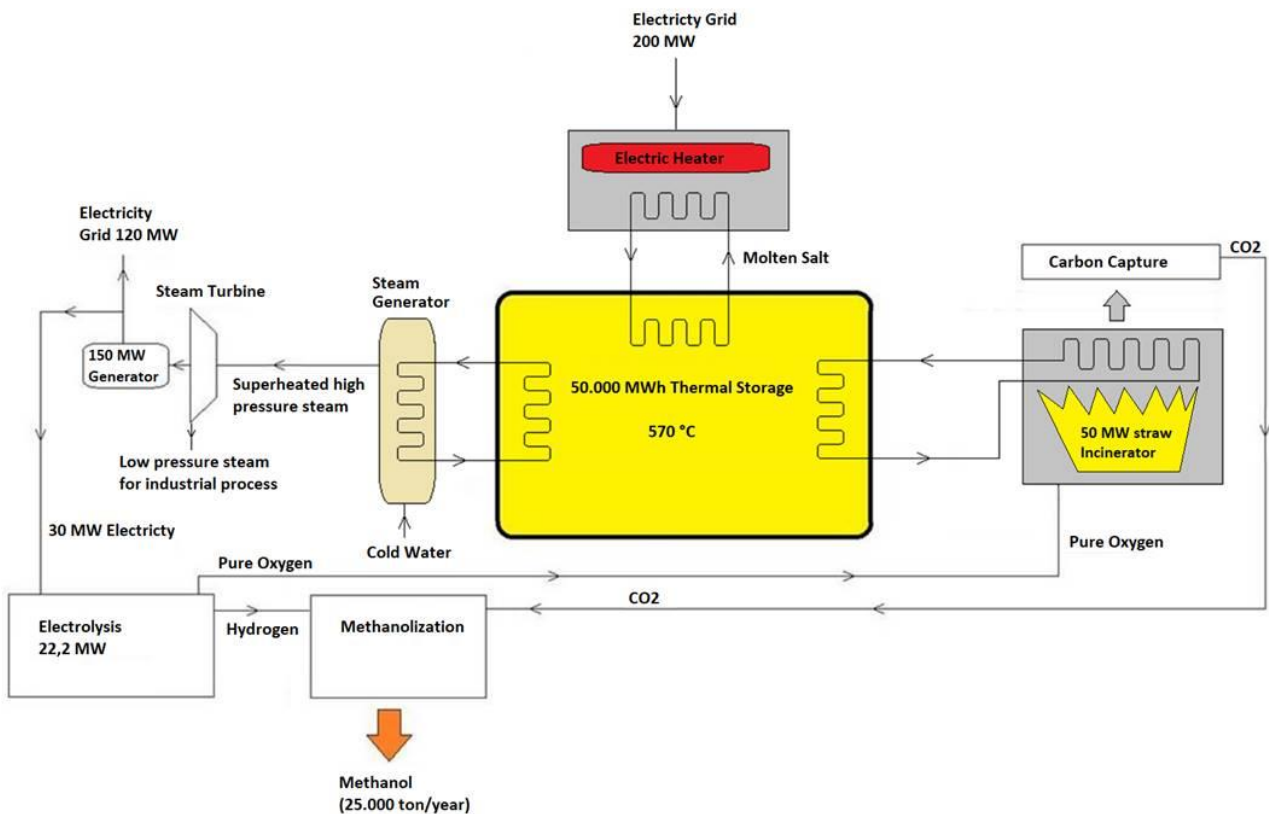
Dear Mr. Raji Maasri

On the 21<sup>st</sup> of March we met when I together with Nisrin Obeid from the Danish Embassy among other things visited the Ain Wazein Medical Village.

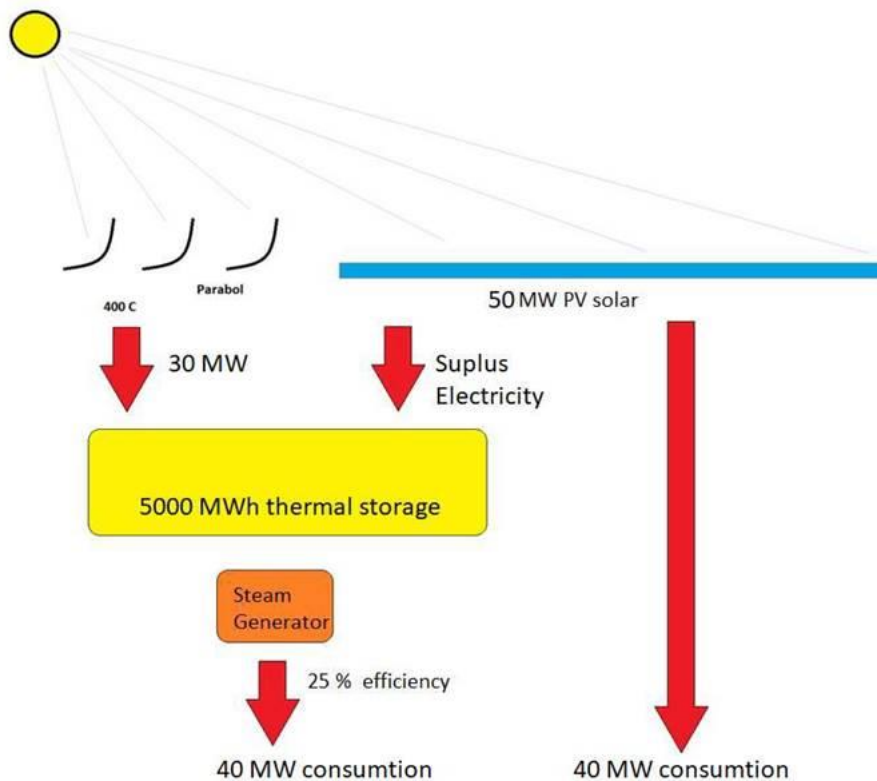
If you find my proposals interesting presented in the following, I will come to Lebanon and visit you and consider the possibilities for the implementation of such a solar power plant in the Chouf, and also discuss the possibility of a commercial development with sale of solar power plants worldwide developed with a basis in Lebanon. And do this together with Danish investors.

A little in continuation of your provocation when we, after the first meeting, stood in the lobby of the City Hall where you argued that wise European engineers came to Lebanon with their total solutions, as if the locals did not understand anything at all. Therefore, in the following my intention is, all in all, the main part of a development will lay in the hands of local Lebanese forces carried out in close cooperation with MAN-es, Burmeister & Wain and The Danish Technical University in Copenhagen.

The design I presented at the City Hall which only could be made as a very large plant of at minimum 300 MW (Electricity) see



I have developed this smaller solar power plant which can be made with outputs as low as 15 MW and where the entire plant is only powered by solar energy.



Now the steam system has an efficiency of only 25 - 30% against the 45% of the large power plant. Such a system together with a Smart Grid system which utilizes the existing generators in an area can supply the entire demand for an area, due to the thermal storage. Perhaps such a 40 MW plant, together with the existing generator and an efficient Smart Grid system, can supply up to 100,000 inhabitants with the entire electricity requirement.

The System will utilize the Heliac thermal solar collectors see <https://www.heliac.dk/> Installation and construction of the solar collectors around the Danish plastic lens can be done locally which will create many jobs.

The Smart Grid systems can be developed in Lebanon. I am sure the necessary skills are present in the country to make such a system.

My calculations show that the plant fully developed, will be able to provide electricity at 5 - 6 cents /KWh for the entire area's needs. The prerequisite is that the solar cells must deliver electricity in the range of 3 - 3.5 cents/KWh which is possible from large plants.

Such a solar facility can be made for the Chouf, and it can be financed by Danish investors. In continuation of the preparatory work, you had done with regard to biomass/waste analyzes and initiatives at the cement factory that you talked about, such a solar power plant will be able to be integrated into the entire supply area. There will probably even be some benefits in having the power plant work with the cement factory you talked about.

But the project must be developed to work and be integrated in a whole supply area by your company or another Lebanese engineering company, so that we can present the entire project to Danish investors.

I have shared some considerations with Taina Christensen UN Habitat regarding a business development in Lebanon where the aim is to increase transparency when creating real and commercial 'sustainable' jobs.

With respect to the overall system complex, I have very efficient system development options that will lower the price of the plant and the efficiency. The overarching idea is that we bring some know-how to the Lebanese society. A know-how which, together with MAN-es and B&W, can create jobs and development in Lebanon together with large export revenues that create prosperity.

And as soon as there can be a development that can create export revenues. A revenue investors can share, there are infinitely large loan opportunities even for a country in Lebanon's situation, because the lender is sure of payment of his loans, when there is an activity that can develop services that can be sold on the world market.

Best Regard Niels Hansen