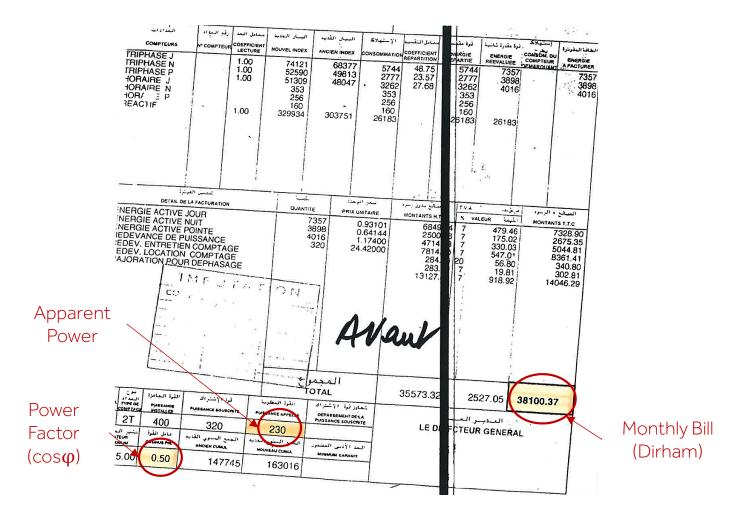




Power Factor Correction is not only the first **energy efficiency** intervention to be considered, but - in highly energy-intensive industrial contexts - it is often an indispensable *cost-saving* process. A significant example is that of one of our customers active in the production of iron rods, used for the reinforcement of reinforced concrete structures in the construction sector. Analyzing the bill, in fact, we note:



With a $\cos \phi$ = 0,50 compensation is absolutely necessary: the bill, before the installation of the PFC equipment, always reached $\mathbf{\xi}$ 3,600 per month, against a request for Apparent Power of 230 KVA.

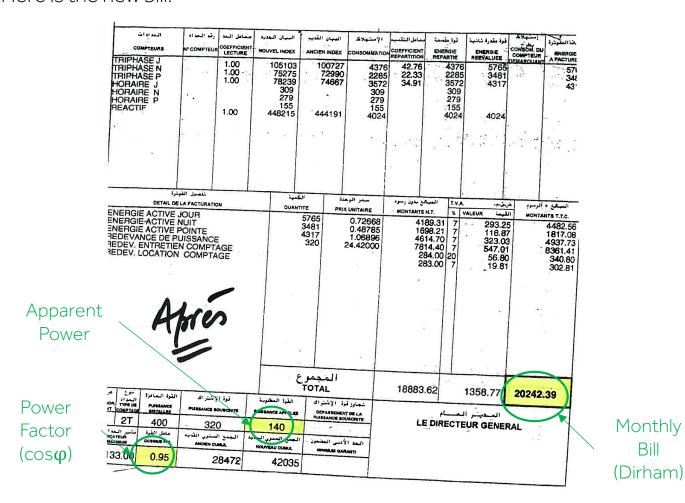


We then proceeded to install a **DMP** equipment with static insertion, with a power of **2880 kvar**, rated voltage **500 Vac** and frequency 50 Hz.

In this way it was possible to guarantee a power factor equal to **0,95**, so as to reduce - at the same active power transported - the value of reactive energy absorbed by the load.



Here is the new bill:



In summary:



Savings: € 1.700 / month



Payback period: 18 months