INDUSTRIALISATION OF VILLAGE IN SOUTHERN FRANCE BY SOLAR ENERGY
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## ECONOMIC HISTORY OF CALLIAN

- **Before JC**: the Romans built an aqueduct to channel water of Camiole river.
- **12th century**: village becomes significant as evidenced by feudal castle.
- **19th century**: Callian has a paper plant, 5 ovens, and 6 oil and flour mills powered by Camiole river.
- **1876**: new aqueduct built to irrigate the plain.
- **1892**: beginning of railways « Central Var », but trains stopped in 1950. Mills stopped as well operations.

## PRESENTATION OF CALLIAN

Callian is a village of 3 000 inhabitants, 320 meters above the sea level. Located in Southern France, 30 km away from Cannes, its solar radiation is one of the best in France, with 1 600 kWh/m²/year.

## AN AMBITIOUS PHOTOVOLTAIC PROJECT

- **2008**: Callian signs a pre-agreement to rent the old landfill with start up company Energy for feasibility studies
- **2010**: solar farm construction starts with private owned EPC contractors. 40 188 solar modules, manufactured by Sharp, are imported from the UK. Installed capacity: 4,7 MWp/17 hectares.
- **August 2011**: with CAPEX of 24 Millions €, solar plant is finished. O&M for Schneider Electric. Project satisfactory Internal Rate of Return is due to the 20 year Feed In Tariffs.
- **During 30 years**, Callian will earn old landfill rent and taxes, with no cost for inhabitants.

## FIRST YEAR OPERATION 2012

- **Solar radiation**: 1 515 KWh/m²/year.
- **Power production**: 11,2 GWh.
- **Power needs cover**: 5000 inhab/3000 inhabitants
- **CO2 emissions**: 1 650 tonnes avoided.
- **Job creation during construction**: 80.
- **Job creation during operation**: 5.

Old landfill is rehabilitated. Population accepts this new green investment. Dynamics must continue around this solar farm in order to create more jobs.