



# Experience of Collectiveself consumption

SOLARISE EVENT

Arpan DUTTA



# The installations

The installation of 3 roof-top solar power plants

Total re-injection

Collective Consumption



Ecole ARAGON (96kWc)



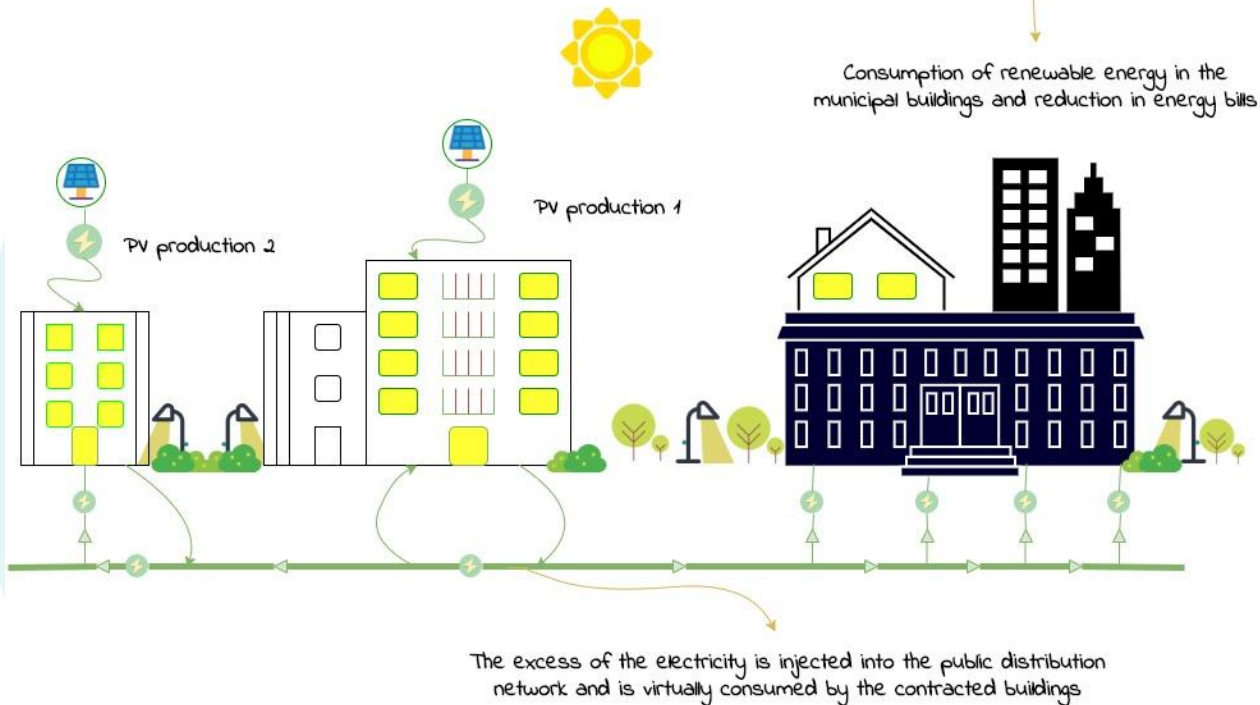
Gymnase Marie-José  
Pérec  
(38kWc)



Gymnase Léo Lagrange  
(66kWc)

# The principle

## COLLECTIVE Auto-consumption



## The buildings in the perimeter:

- Gymnase Léo Lagrange
- Gymnase Marie-José Pérec
- Hôtel de Ville
- Piscine
- Stade Léo Lagrange
- Gymnase Jean Juge
- Ecole Chaperon Rouge
- Maison de la petite enfance

# Some statistics

Month	Production Data (kWh)	
	Marie-José Pérec	Léo Lagrange
December 2020	242,28	871,2564092
January 2021	247,23	688,832256
February 2021	773,15	3044,54181
<b>TOTAL</b>	<b>1262,66</b>	<b>4604,630475</b>

**Total production: 5,9 MWh in total**

**Autoconsumption : 100%**

**Average economy: ~1000 € over 3 months**





**MÉTROPOLE**  
EUROPÉENNE DE LILLE

# ENERGY STORAGE CONCEPTS

Mardi 9 mars 2021



# Key features

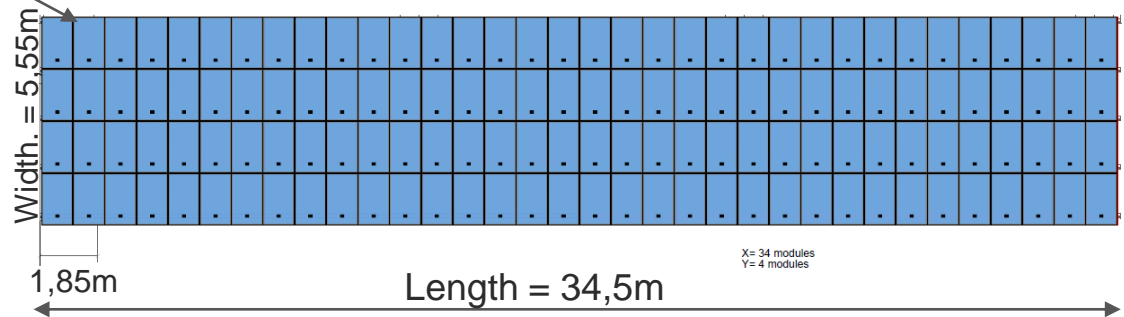


Equipment room



Electrical charging station  
DIVA SP 3-22KVA (Total EV)

Qty : 6

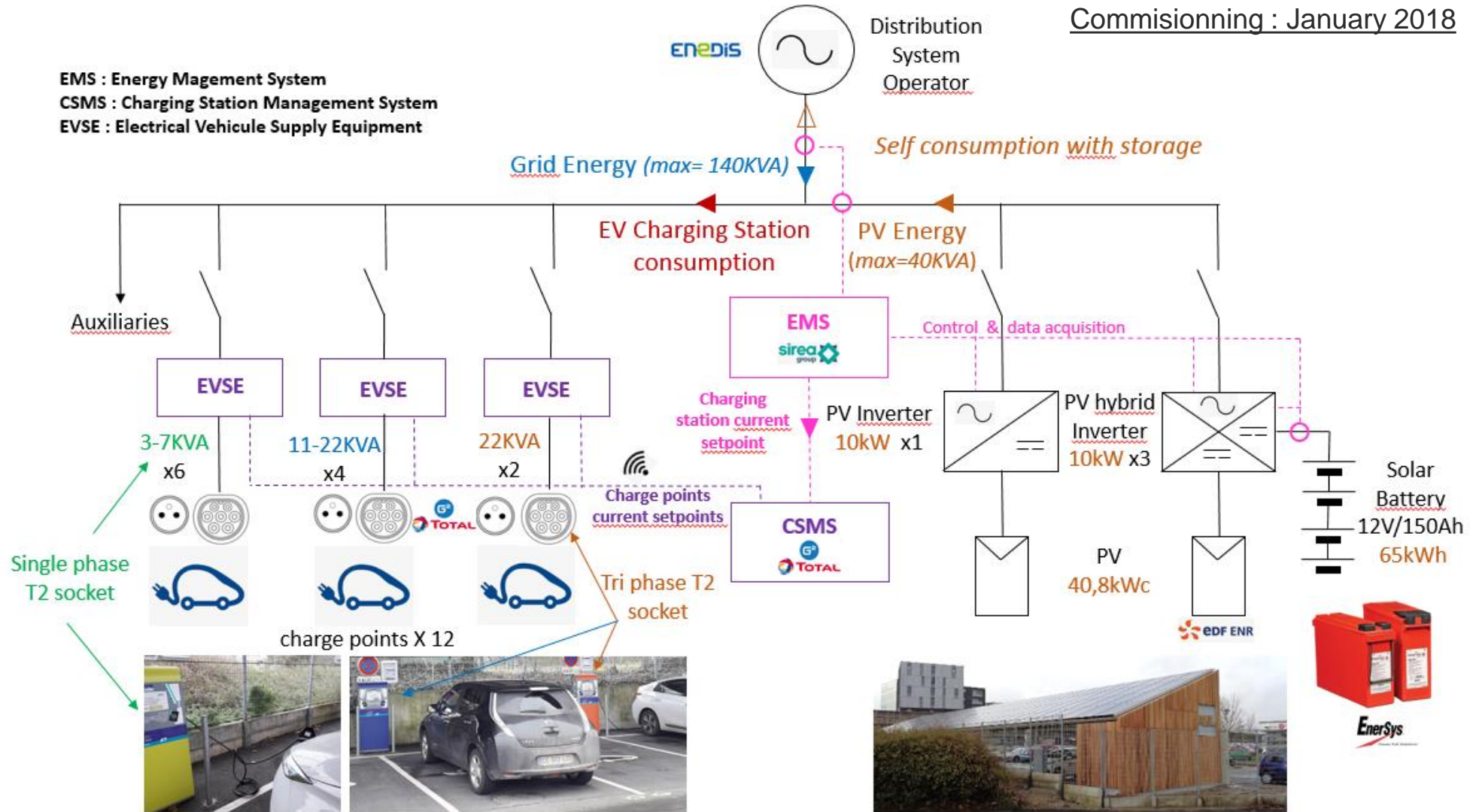


136 Panels x 300Wc = 40,8kWc

# Electrical Design

Commissioning : January 2018

EMS : Energy Magement System  
 CSMS : Charging Station Management System  
 EVSE : Electrical Vehicule Supply Equipment







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