Helion Solar

Présentation Helion Solar immeuble résidentiel autosuffisant en énergie

- 23.11.2016
- André Gomes, Directeur Suisse Romande







- Création 2008
- Entreprise du groupe Alpiq InTec AG
- 120 Collaborateurs
- Leader suisse du marché photovoltaïque et batterie



Année	2015	Prev. 2016
CA	43 Mio.	43 Mio.
Nombre de projets	600 pcs.	900 pcs.
Part de marché Total	8 %	12 %
Batteries	50 pcs.	100 pcs.







PRODUIRE SON PROPRE COURANT SOLAIRE PETITES INSTALLATIONS ET INSTALLATIONS PRIVÉES





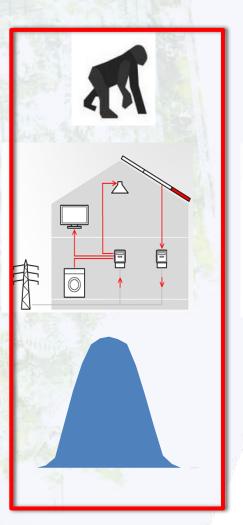
PRODUCTION DE COURANT SOLAIRE GRANDES INSTALLATIONS



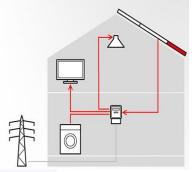




EVOLUTION DU MARCHÉ

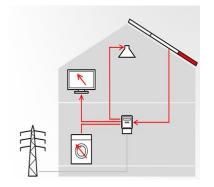


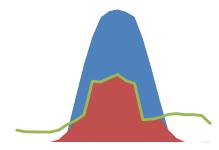




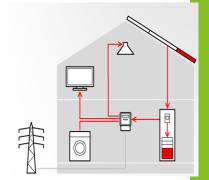














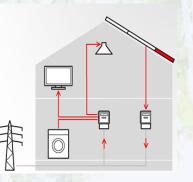




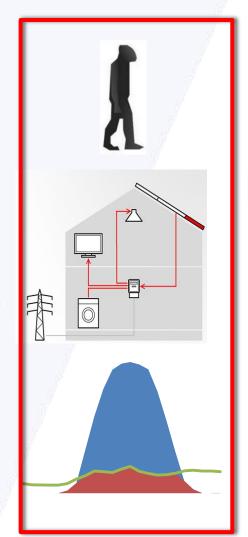


EVOLUTION DU MARCHÉ

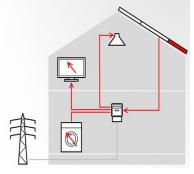


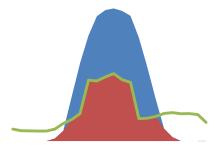




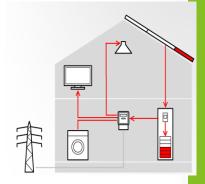












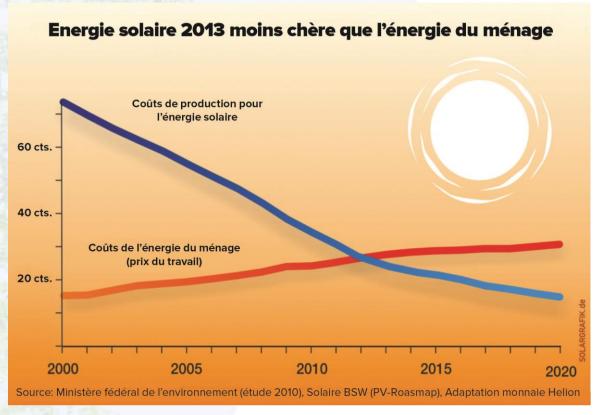








COURANT SOLAIRE MOINS CHER QUE LE RÉSEAU



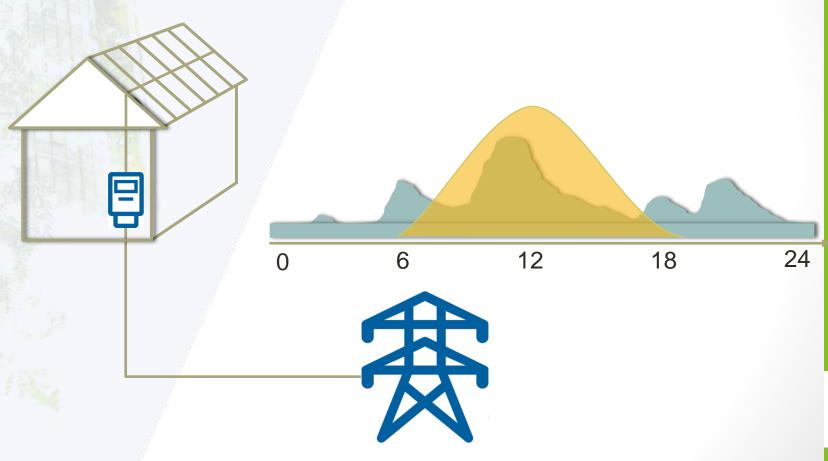
- Prix du courant du réseau 22 cts./kWh
- Prix du courant solaire de 12 à 18 cts./kWh
- Plus la part d'autoconsommation est élevée moins la facture d'énergie du réseau est élevée







PROPRE PRODUCTION D'ÉNERGIE: AUTOCONSOMMATION



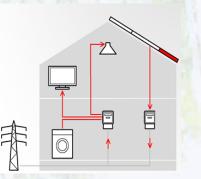






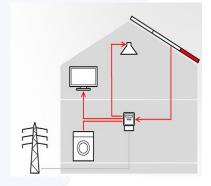
EVOLUTION DU MARCHÉ

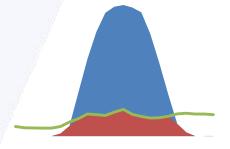


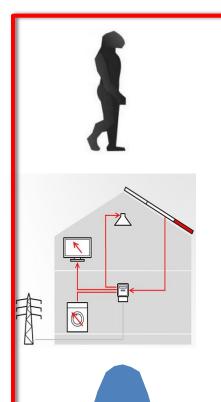




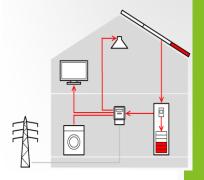




















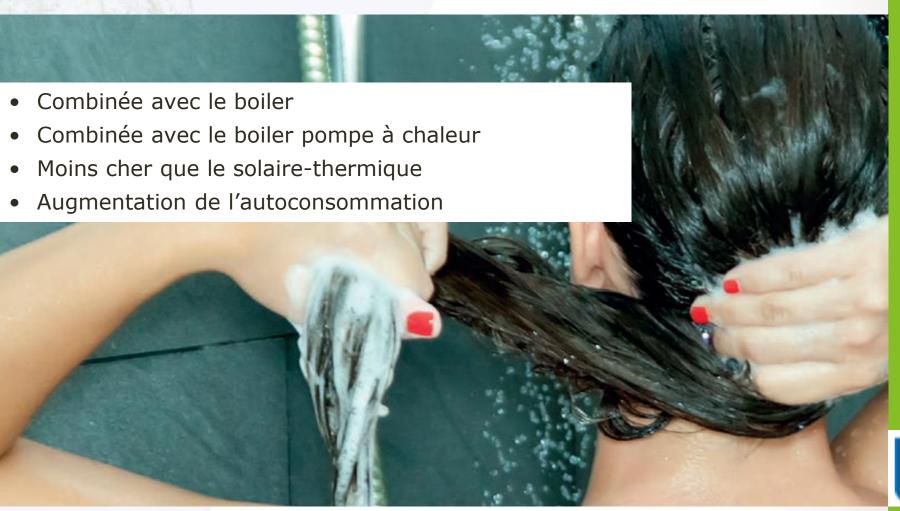
CHAUFFAGE = PLUS GROS CONSOMMATEUR







CONSOMMATION DU COURANT PRODUCTION D'EAU CHAUDE AVEC LE COURANT SOLAIRE







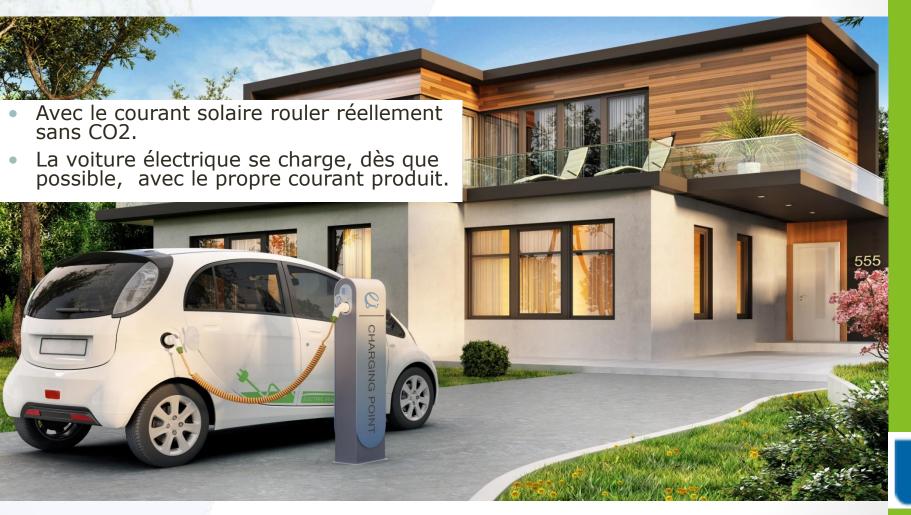
CONSOMMATION DU COURANT PRODUCTION DE CHALEUR AVEC LE COURANT SOLAIRE







STOCKAGE DE COURANT SOLUTION DE BASE E-MOBILITY

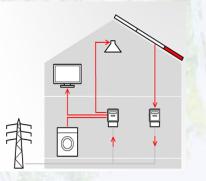






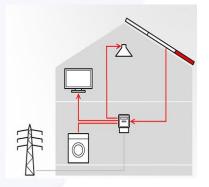
EVOLUTION DU MARCHÉ





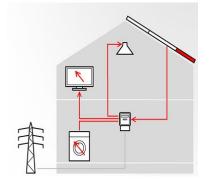


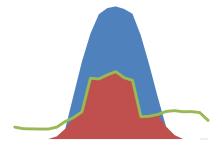


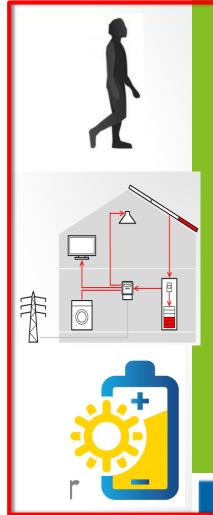
















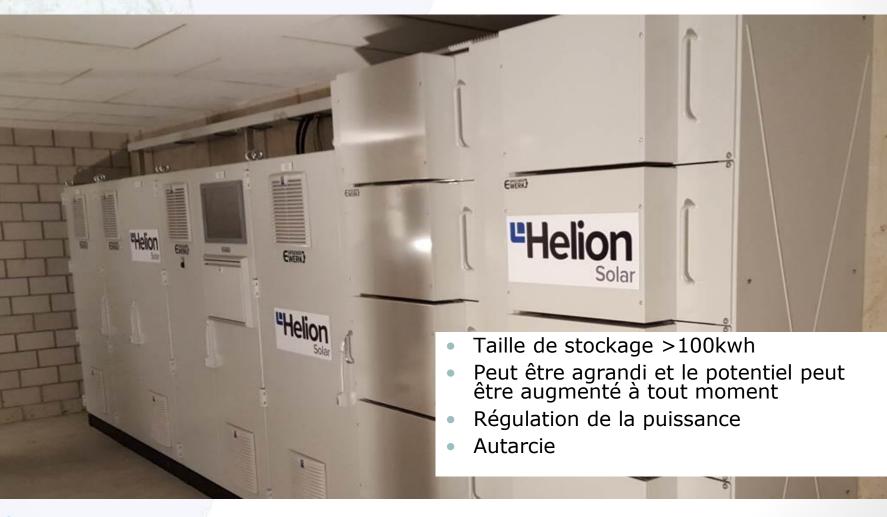
STOCKAGE DE COURANT SOLUTION DE BASE DU STOCKAGE D'ÉNERGIE







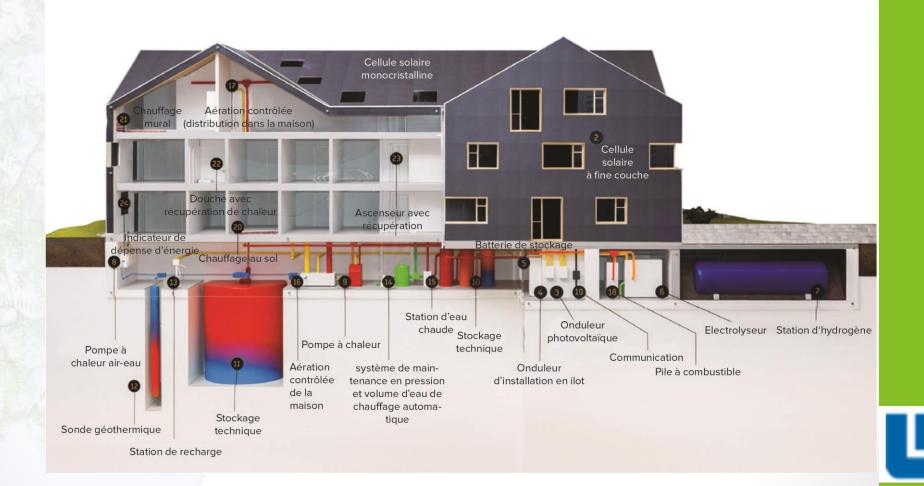
STOCKAGE DE COURANT GRANDE INSTALLATION DE STOCKAGE

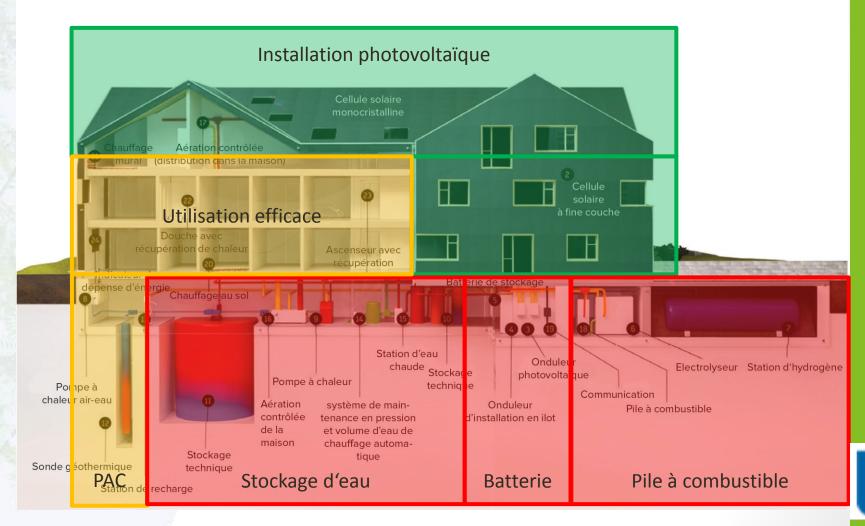




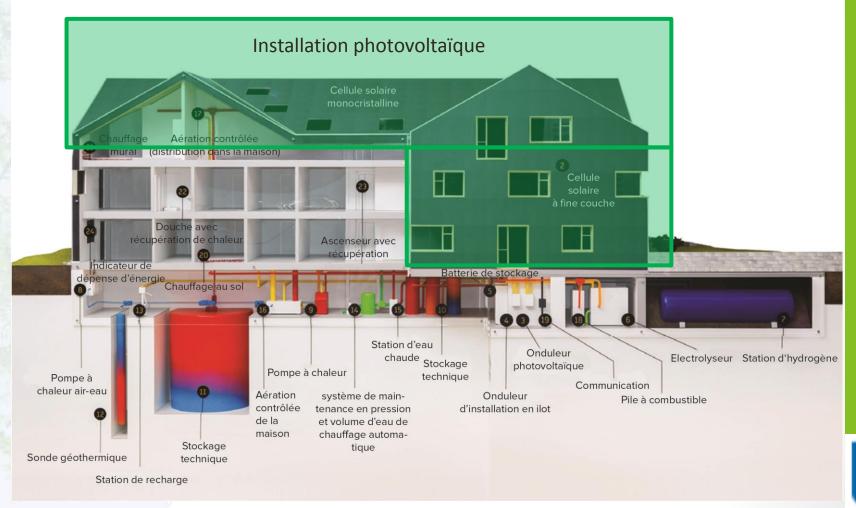
Immeuble familial autosuffisant à Brütten















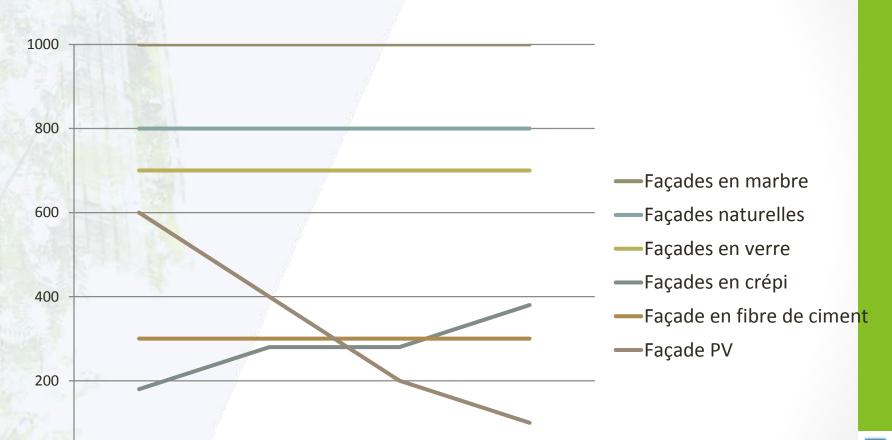
Installation photovoltaïque



Installation photovoltaïque

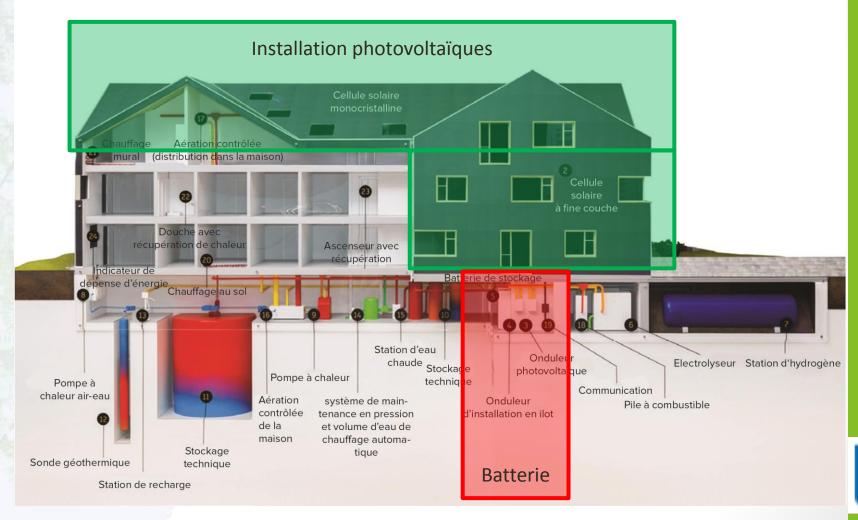


Prix façades PV













Stockage de la batterie

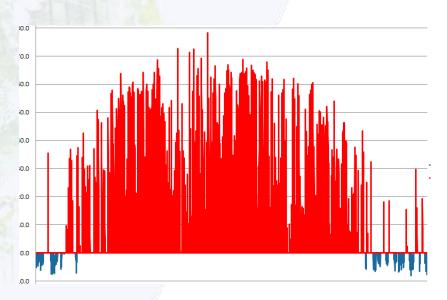
Application: Stockage à court terme

Autonomie de 1-4 jours

Technologie: Batterie en Lithium Ion phosphate de fer

Capacité: 153 kWh net

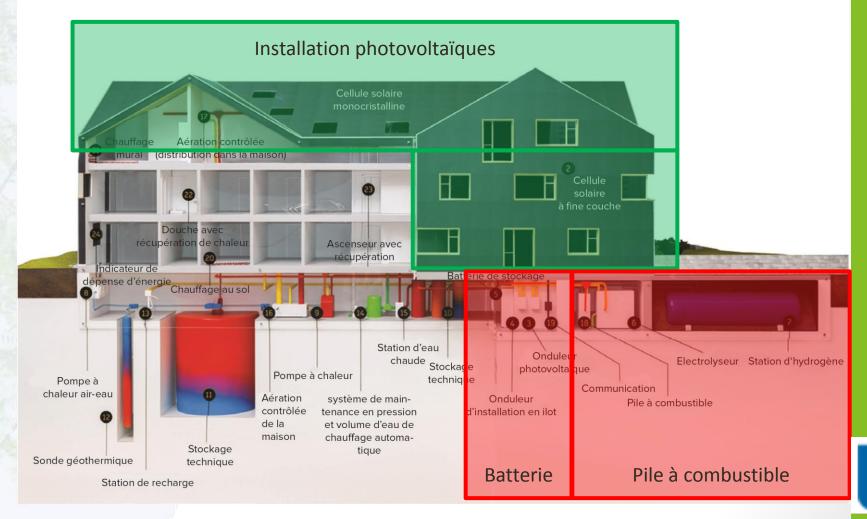
Rendement: 2 x 55 kW













Pile à combustible

Application: Stockage à long terme

Autonomie de 20 - 30 jours

Technologie: For perdue Capacité:

Power to Gas incl. Utilisation chaleur

3'900 kWh

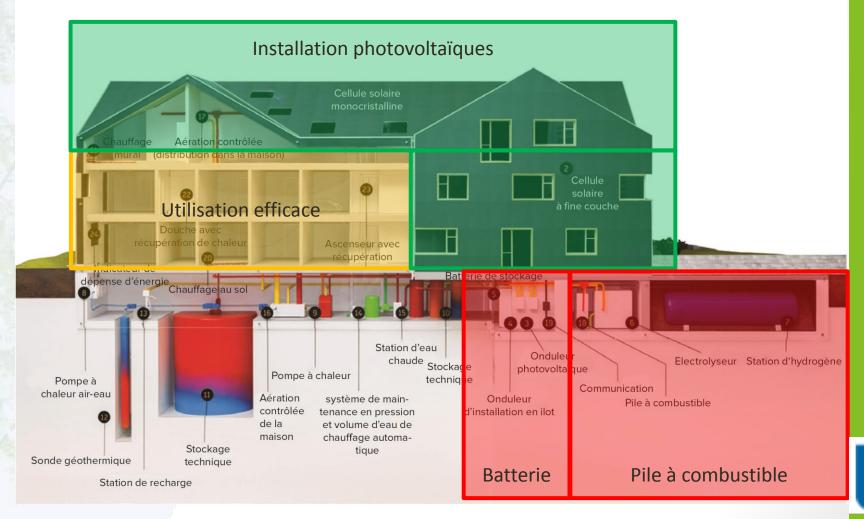
Rendement:

5.7 kW électrique/ 5.5 kW Thermique





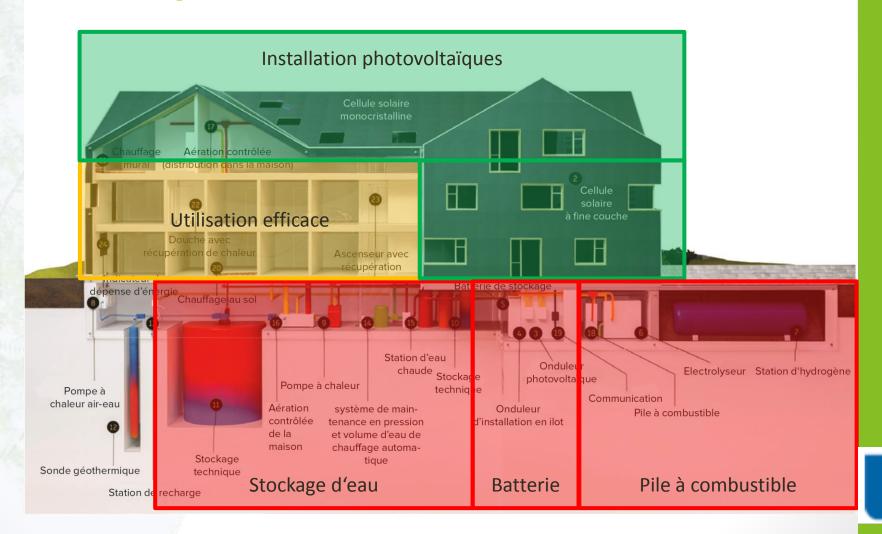






Utilisation efficace





Réservoirs d'eau & boiler







