AmySOLAR

IMAGINE YOUR FUTURE CITY

New green urban districts
AmySOLAR Smart Cities

GDDP: GREEN DISTRICT DEVELOPMENT PROGRAM

District economic and social development on the outskirts of Abidjan Ivory Coast:

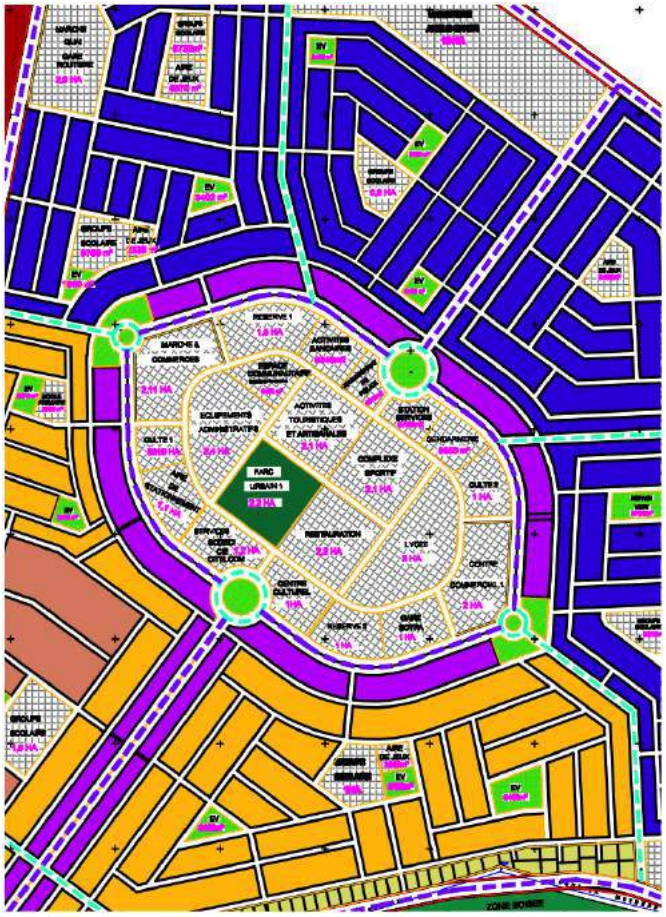
Project to create a green, smart and connected city district, on a space available and likely to be well served, on the outskirts of Abidjan, Ivory Coast.
AmySOLAR is specialized in design and supply of equipment for solar energy and construction, urban development and design of small-scale and industrial production and processing units.

Creation of a Community Activities Center (CAC):
(with positive energy buildings)

- School group with a primary school and a college,
- Sports field and cultural space and training for youngs and adults,
- Covered market and supermarket equipped with solar cold rooms,
- Health area with medical office, dentist, dispensary, pharmacy, optician ...
- Restaurants and internet cafés, Shops,
- Artisanal zone :
- Artisanal food preservation enterprises (meat, fish, fruit and vegetables),

(avoids spoiling surpluses that are not sold fresh each day)

- Joinery: wood, aluminum, PVC (manufacture of doors and windows adapted to international standards),
- Manufacture of furniture and bedding, clothing and consumer goods, etc ...



All around the Community Activities Center (CAC), residential areas are set up to permanently anchor populations by providing them with all the local services around their place of life (house, work, leisure), thus avoiding travel over long distances and contributes to reducing daily traffic jams.

Creation of residential areas on the outskirts of the PAC, with 500 dwellings per surface of 10 ha (composed of houses and buildings with solar energy integrated + green spaces).

AmySOLAR will build in parallel housing (houses and buildings) and common buildings (public and private to receive enterprises), with evrything: land development, roads with our innovative solar streetlights, with drinking water and sanitation networks connected to the public space at the periphery of each planning area.

"**The Smart Grid**" interconnected to electricity grid: will allow to transfer photovoltaic power generation surplus to the grid and if necessary use the grid in the event of excess demand of the green district.

"**The Smart City**" is connected to the world: with a connection to the backbone (by terrestrial or satellite) will allow all the population present in these new districts to benefit from all the modern communication services: broadband internet, telephony, television, video on demand, e-learning, e-medicine, e-games, social networks, etc ...

GDDP: TO ANCHOR POPULATIONS AROUND THEIR PLACE OF LIFE

AmySOLAR: SOLAR ENGINEERING & EQUIPMENT - POSITIVE ENERGY CONSTRUCTIONS
Website : www.amysolar.com – email : contact@amysolar.com

AmySOLAR

IMAGINE YOUR FUTURE CITY

New green urban districts
AmySOLAR Smart Cities

GDDP: GREEN DISTRICT DEVELOPMENT PROGRAM

Residential area: vith buildings, one level and Duplex Villas:

GDDP: TO ANCHOR POPULATIONS AROUND THEIR PLACE OF LIFE

AmySOLAR: SOLAR ENGINEERING & EQUIPMENT - POSITIVE ENERGY CONSTRUCTIONS
Website : www.amysolar.com – email : contact@amysolar.com

GDDP: GREEN DISTRICT DEVELOPMENT PROGRAM

Artisanal and Industrial Activities Areas:

Wood is a very widely available resource in the region,
to be valued locally in production workshops
to make standardized "high performance" doors and windows.

Cold room powered by solar energy
for the preservation of foodstuffs.

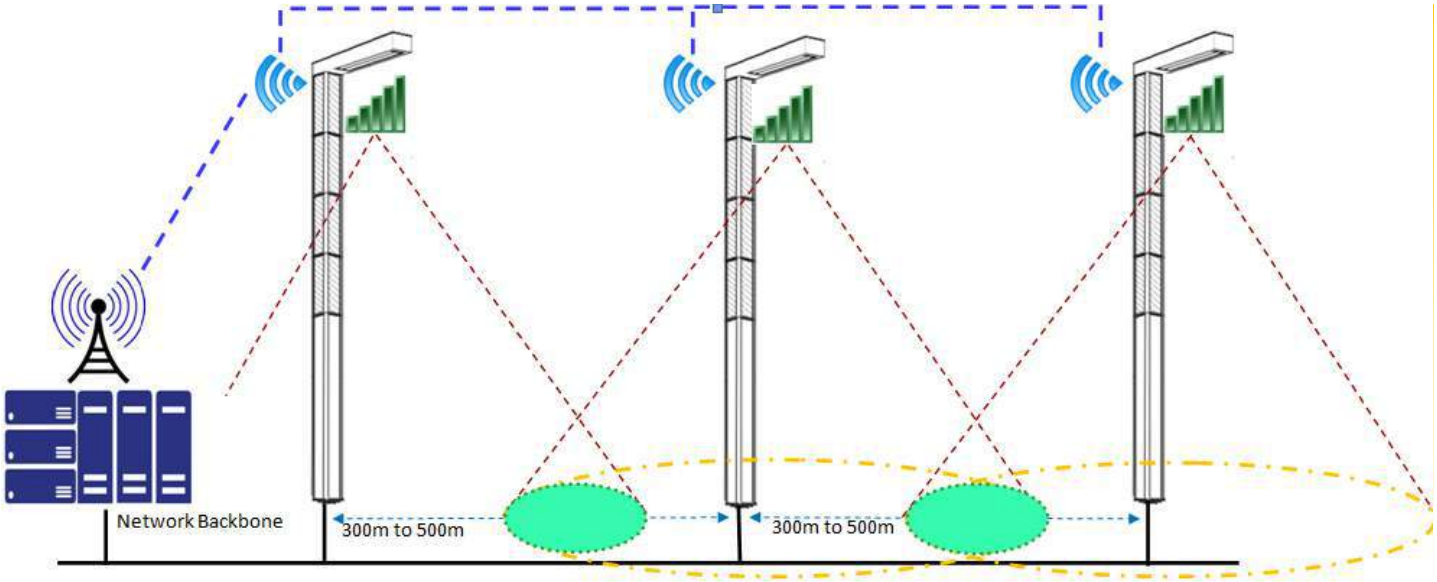
GDDP: TO ANCHOR POPULATIONS AROUND THEIR PLACE OF LIFE

AmySOLAR

IMAGINE FUTURISTIC CITIES

New green urban districts
AmySOLAR Smart Cities

INVISIBLE MULTI-NETWORK INTEGRATED IN SOLAR STREET LIGHTS



Connected solar streetlights become also self-sufficients energy data diffusers:

*In addition to the public lighting function, they broadcast 24 hours a day, **telephony**, **television**, video on demand (**VOD**) and all **e-services** such as distance education programs: **e-learning, e-entertainment**) or e-entertainment for remote medical diagnoses and remote care prescriptions, **e-government** for administrative declarations, payment of taxes, etc. They simplify and facilitate the life of users, like that of the public authorities, now as smartphones, tablets and personal computers are more and more widespread.*

IT CONNECTS ALL YOUR MULTIMEDIA EQUIPMENT TO THE VAST WORLD

« e-learning »
(e-learning, e-entertainment)
« e-medecine »
« e-security »
(wireless video surveillance)
« e-government »

TO PROVIDE AT YOUR DISPOSAL ALL « e-services »

AmySOLAR: SOLAR ENGINEERING & EQUIPMENT - POSITIVE ENERGY CONSTRUCTIONS
Website : www.amysolar.com – email : contact@amysolar.com

AmySOLAR

IMAGINE FUTURISTIC CITIES

New green urban districts
AmySOLAR Smart Cities

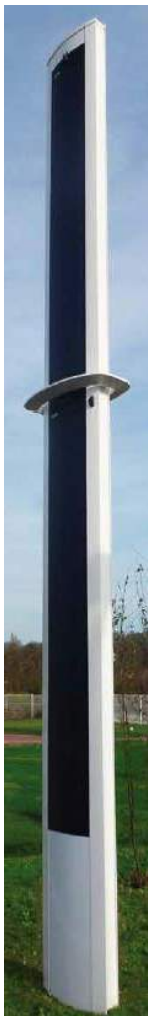
Connected solar streetlights become also self-sufficients energy data diffusers:

*They also ensure neighborhood safety by integrating the wireless **video surveillance network**.*

Its identification functions, combined with embedded solutions for law enforcement, are the guarantee of everyone's peace.

Benefits for municipalities:

- no more electricity bills to pay for public lighting,
- maintenance of streetlights and network equipment which they integrate is managed by telecom providers.



Our solar street lights are designed to meet all your requirements and adapted to all your needs:

- wall light solar bulb,
- garden lighting,
- lamppost head with integrated panel, can be mounted on existing supports, such as: metal post, wood post, coat hook, wall, etc ...
- poles with adjustable solar panel (s),
- double poles or multi-head lights for central medians or intersections,
- poles equipped with photovoltaic cells along their length,
- etc ...

The electronic control equipment of the different lighting modes is optimized to adapt to environmental changes and save energy for maximum autonomy. Control and management of operating modes are done from the ground using a remote control (no need to mount to the pole) or remotely.

Our LED lighting heads are very efficient for luminescence quiality and their life is particularly long, which reduces their maintenance to simple cleaning spaced over time.

AmySOLAR

IMAGINE YOUR FUTURE

Village Electrification

Village electrification in tropical and equatorial Africa

The situation:

Today, more than 600 million people, one on two Africans do not have access to electricity.

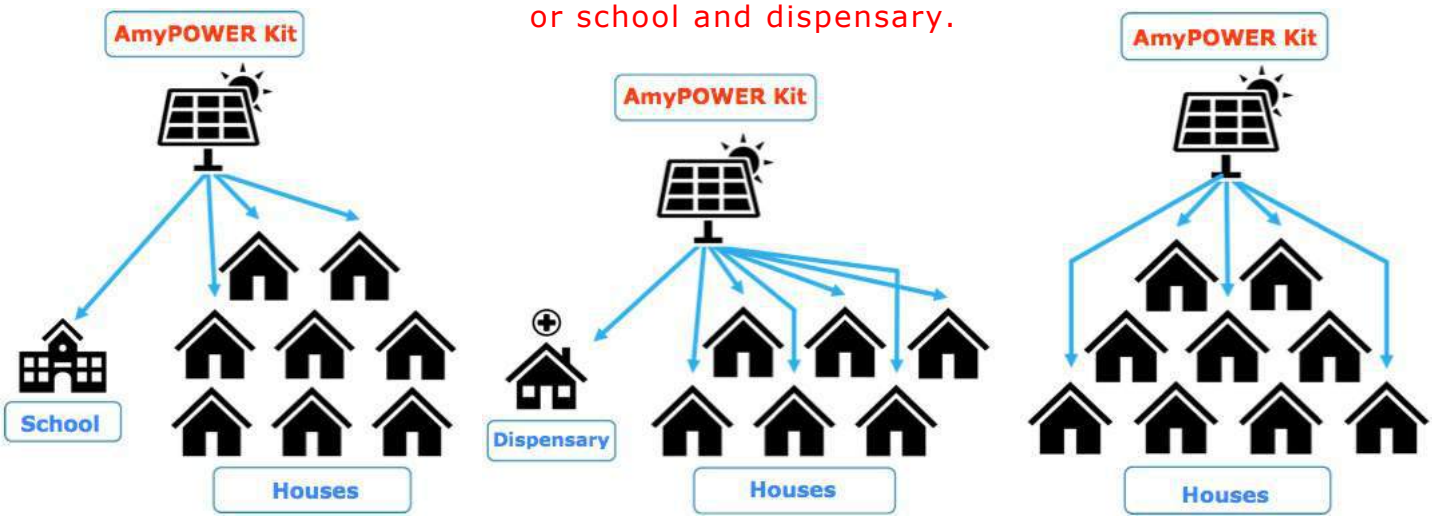
It is estimated that 315 million people will only have access to electricity in 2040 in rural areas of Africa, of which only 30% will be connected to national networks (eg Africa Progress Panel, 2017).

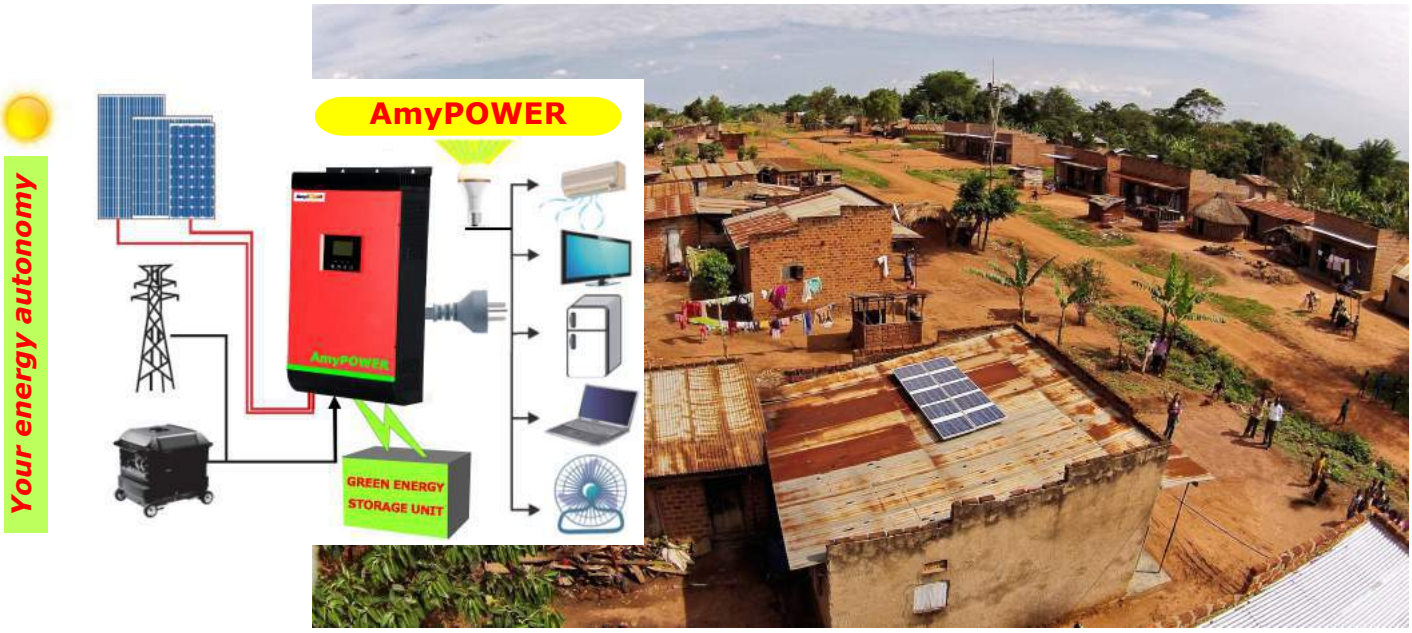
Most of them will only have access to electricity with off-grid domestic or mini-grid installations.

Cameroon had only 18% access to energy and provided electricity to only 3 million of its 20 million inhabitants (eg: Energies-Renouvelables-Afrique.com, 2016).

New technology like LED lights and AmyPOWER solution allow evolution now

Depending on individual consumption, an AmyPOWER Kit can provide 5 to 10 homes, or school and dispensary.





It's time for a better life with electricity for everybody in the world

AmySOLAR: Solar Engineering & Equipment - Positive Energy Constructions
Website : www.amysolar.com – email : contact@amysolar.com

AmySOLAR

IMAGINE YOUR FUTURE

Nomad Solar Solutions

Flexible or rigid, our solar panels are adapted for all situations!

The internet mobile classroom moves from a city to another one, or from a village to another one...

*The technical container is completely energy self-sufficient with solar panels and our innovative **AmyPOWER** technology and his break the new energy storage solution.*

The self-sufficient energy tent