

LA LOPE SMART VILLAGE

DEVELOPMENT OF LA LOPE SMART VILLAGE FOR THE ACHIEVEMENT OF THE SUSTAINABLE DEVELOPMENT GOALS AND FOR THE REDUCTION OF THE SOCIAL GAPS AND THE DIGITAL DIVIDE BETWEEN THE COMMUNITY AND THE URBAN AREAS

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Who we are?

Vision

To provide Word Class Infrastructures and Services to the rural population for achieving the Sustainable Development Goals (SDGs)

Missions

- To provide Basic Infrastructures to the rural areas and townships in order to reduce the social Gaps
 - ✓ Healthcare
 - √ Education
 - ✓ Water & Energy
 - ✓ Community Shopping Center
- To provide ICT Infrastructures and Services to the rural areas and townships in order to reduce the Digital Divide
 - ✓ Broadband Networks (3G, 4G/LTE, 5G, etc.)
 - ✓ Telecommunity Center
 - ✓ Quadruple Play (Internet, Fix Telephone, Mobile Telephone, Digital TV)
 - ✓ Cloud Services (Healthcare, Education, TV, Culture, Agriculture, Gaming, etc.)
 - ✓ Banking Services

Activities

- Consulting
- EPC (Engineering, Procurement, Construction)
- Project Development
- Investment
- Training
- Marketing

Sectors

- Water
- · Renewable Energy
- Telecommunications
- Telemedicine
- Tele-Education
- IT Services
- Agriculture
- Banking Services

La Lope Smart Village (LPSV) is an integrated and connected compound for achieving the Sustainable Development Goals (SDGs) and for reducing the social gaps and the Digital divide between the Lope Community and the urban cities of Gabon.

La Lope Smart Village contributes over 80% to the achievement of the Sustainable Development Goals through the SDGs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 17.



Lope Smart Village compound

Lope Smart Village compound includes the following Clusters:

- **Tele-Medical Center** (Ophthalmology, Dental, ENT, Paediatrics, Medical Analysis Laboratory, Optometry Laboratory, Pharmacy),
- Digital School,
- **Tele- Community Center** (Videoconferencing Room, Cybercafe, Games Room, Start-Ups Incubator),
- **Shopping Center** (Superette, Coffee Shop, Cold Room, Fishmonger, Butcher's shop, Laundromat),
- Rural Bank (PayPoint, Biometric Bank ATM),
- Water purification station,
- Agricultural farms;
- Food processing plants;
- Waste processing plant (processing domestic, medical and industrial waste into electricity, bio-gas and biofuel);
- **Residential area** (Smart Green Housing, Guest House or Hotel)
- Sports Cluster (football stadium, tennis courts, handball and volleyball);
- 3 tourist parks (Zoological Park, Botanical Garden, Amusement Park)
- Covid-19 Tests & Isolation Smart Center (https://www.youtube.com/watch?v=9kntUZaqQgE)
- Bio-Sanitary.

The platform is powered by a **Smart Grid**.

La Lope Smart Village provides its users with **Quadruple Play** (Internet, Fixed Telephony, Mobile Telephony, Digital Television) and **Cloud Services** (Cloud Health, Cloud Education, Cloud Agriculture, Culture Cloud, Cloud TV, Cloud Gaming).

m-Governement Plateform for Lope Smart Village

The m-Government Platform shall allow Lope Smart Village to provide the online services to the rural population of the Community and the Region.



Project contributions

1. Political

- ✓ Contribution to the development of the village of La Lope and the Region of Ogooue Ivindo;
- ✓ Reduction of the rural exodus;
- ✓ Acceleration of the decentralization.

2. Social:

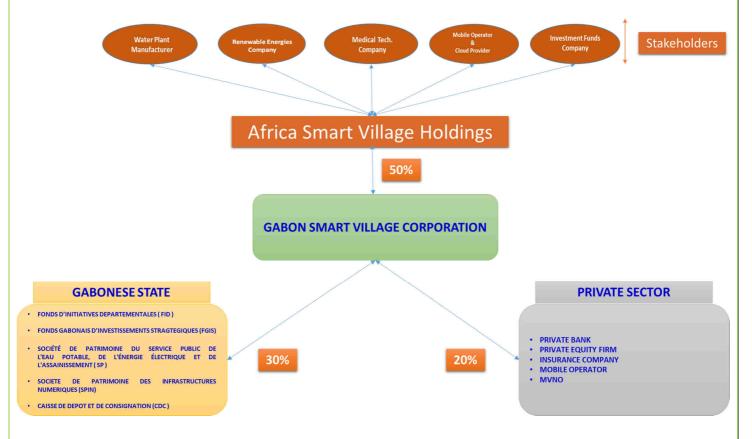
- ✓ Enabling all social strata of the Village of Lope to access to high quality health care and a high-level education;
- ✓ Providing water and electricity to the Community of La Lope.

3. Economic:

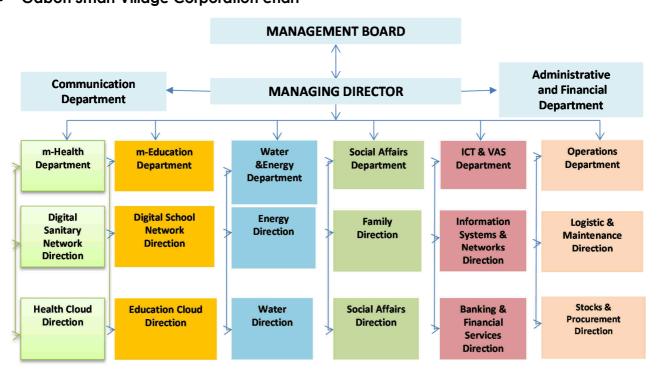
- ✓ Enabling the Government and families to make structural savings in Health and Education through the Cloud Technology;
- ✓ Creation of 20,000 jobs in the Community of la Lope and the Region of Ogooue Ivindo.

Proposed investment model

- To build a Private Public Partnership company (GSVC: Gabon Smart Village Corporation) between Africa Smart Village Holdings, Gabon Government, a Local Mobile Operator, a Local Bank, Corporates or Investment Fund Companies.
- The Government of Gabon grants incentive advantages to the PPP company (free taxes, free Telecom licence, free lands for the construction of the platforms, etc.).
- The Investment Fund Companies arrange the funding of GSVC.



Gabon Smart Village Corporation chart



Master Plan



Video: https://www.youtube.com/watch?v=f4D7kxxgJDs

Project milestones

Prefeasibility Studies

- 1. Country's Macroeconomic Datas
- ✓ Population
- ✓ GDF
- ✓ Telecommunication Indicators:
- ✓ E-Governement Development Index (EGDI
- 2. Social gaps between urban and rural areas;
- 3. Digital Divide between urban and rura areas;
- 4. Prefeasibility studies report on the country
- 5. Presentation of the Smart Village project to the **Government** and **Corporates**:
- Ministers:
- ✓ Innovation & Technology
- ✓ Communication & IT
- ✓ Health
- √ Education
- ✓ Water & Energy
- ✓ Agriculture
- ✓ Social Affairs
- ✓ Culture
- √ Finance
- Corporates:
- ✓ Mobile Operators
- ✓ Banks
- 6. Project approval by the Stakeholders

Financing source: Africa Smart Village Holdings

Feasibility Studies



- 2. Environmental impact
- 3. Social impact
- Network coverage
- Healthcare infrastructures penetration
- Education infrastructures penetration
- 7. Water & Electricity accessibility;
- 8. Medical Aid coverage;
- 9. m-Gov services accessibility
- 10. m-Banking services accessibility

Financing source: Gov, Private, Bank loan

Smart Village Implementation

- 1. Selection of local Contractors
- Transport, Installation, Maintenance, Security Management, SV Monitoring, Training, Feasibility studies, Quantity Surveyors, etc.
- 2. Submission of the Orders to ASVI
- 3. Customs clearing
- 4. Equipments transportation on sites
- 5. Installation, Commissioning and Training
- 6. Maintenance
- 7. Feasibility studies for new sites

Financing source: Bank loan to ASVH



Livrables

- 1. Feasibility studies report;
- 2. Business Plan

Validation of the Business Plan by the Stakeholders



ETSV Corporation

- 1. Creation of the National Smart Village Corporation (ETSVC)
- PPP between Gov and Private sector
- 2 Shareholders
- ASVH: 40%
- Mobile Operator: 30%
- Governement: 20%
- Bank: 10%
- 3. Employee Recruitment and Training

ETSVC implements the project in the country

Project time line

		YEAR 1																														
	Month	MONTH 1		М	MONTH 2		MONTH 3		MONTH 4		N	MONTH 5		MONTH 6		MONTH 7		7	MONTH 8		N	MONTH 9		MONTH 10		MONTH 11		1	MONTH 12		LEAD ENTITY	
	Week	1 2	2 3 4	1 2	2 3	4 1	1 2 3	4	1 2	3 4	1	2 3	4 1	2	3 4	1 2	3	4 1	2	2 3 4	1	1 2 3	4	1	2 3	3 4	1 2	3	4 1	1 2	3 4	LEAD ENTITY
PRESENTATION OF THE PROJECT																																ASVH
Presentation to the Government, UNDP, Banks, Mobile Operators, Corporates																																ASVH
Creation of ETSV Steering Committee (GABSVSCOM)																																GOV/CORP/ASVH
FEASIBILITY STUDY FUNDING																																GOV/CORP
Request for the funds to the Donors, Investors and Banks																																GOV/CORP/ASVH
FEASIBILITY STUDIES																																GABSVSCOM
Validation of the pilot sites and the Programme																																GABSVSCOM
Feasibility Studies (Environmental & social impacts, Network coverage,etc.)																																GABSVSCOM
CREATION OF GABON SMART VILLAGE CORPORATION																																GOV/CORP/ASVH
Setting up of Gabon Smart Village Corporation (GSVC)																																GOV/CORP/ASVH
Request for the Bank Loan for the Project Implementation																																GSVC
Recruitement of the Employees																																GSVC
Selection of the local Contractors																																GSVC
PROJECT IMPLEMENTATION																																GSVC
Installation of the pilot sites																																GSVC

Pilot sites

The final choice of pilot sites is under the responsibility of the Government of Gabon.

The project will start with feasibility studies on the pilot sites to determine the final cost.

Scope of studies by site:

- 1. Identification of the sites;
- 2. Environmental impact;
- 3. Social impact;
- 4. Telecommunication network coverage;
- 5. Health care infrastructure and services accessibility;
- 6. Educational infrastructures accessibility;
- 7. Accessibility to drinking water and electricity;
- 8. Coverage of medical assistance;
- 9. Access to m-Government services;
- 10. Access to banking services.

The average cost of the feasibility studies per site is \$ 2MUSD.

The final cost for the construction of the Smart Village will be evaluated after the feasibility studies.

Information

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