

**Ministry of Economy and Finance (HAITI)
(MEF)**

**CENTRAL MANAGEMENT UNIT FOR PUBLIC-
PRIVATE PARTNERSHIPS (UCGPPP)**

**CARACOL POWER PLANT
MANAGEMENT IN PPP MODE**

November 2017

Haiti within the Caribbean

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INDUSTRIAL PARK IN THE NORTHERN REGION

The Caracol Park

The Caracol Industrial Park

Inauguration

October 22, 2012

Cost

241.5 millions USD

Total area

252 acres

Construction

8 industrial buildings
11300 m² (in 2012)

Job creation

10,400 jobs , 60% women
(in 2016)



Energy

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The Caracol Power Unit

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- Power plant with a capacity of 10 MW to 35 MW
- Requirement to use renewable energies (solar and/or wind)
- Billing rates : 100%
- Recovery (collection) rate : 95%

Goals

- Increase the access of the population to electricity
- Make the investment profitable by instilling a culture of payment into users
- Balancing the service
- Reaching international standards
- Transfer of knowledge

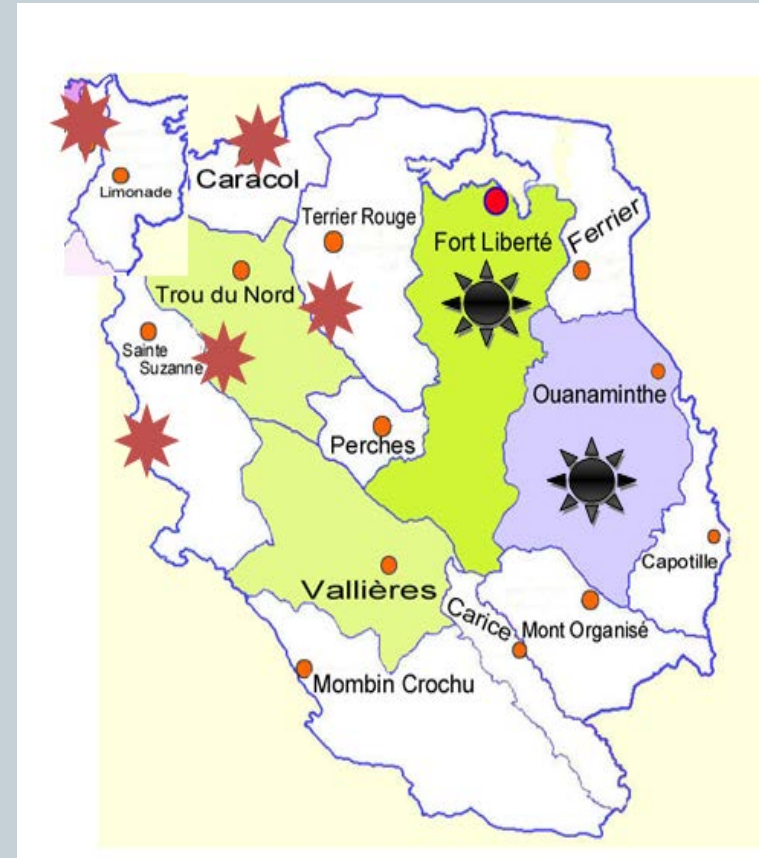
Population Serviced

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- The industrial park
- Localities of
 - Limonade
 - Terrier Rouge
 - Trou du Nord
 - Sainte Suzanne
 - Caracol

Future prospects:

- Fort Liberté
- Ouanaminthe



PPP Decisions

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For the purpose of :

- Production
- Transportation
- Distribution
- Commercialization

Benefits of PPP

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In terms of :

- ✦ **Technicity**
- ✦ **Commercialization**
- ✦ **Social engineering**

Technicity



- **Supply 24/7**
- **Stable network at 98%**
- **Technical crew available for maintenance tasks over the network**
- **Monitoring and maintenance of the infrastructures of generation, transportation and distribution**
- **Use of smart meters and modern circuit breakers**

Commercialization

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- Regular billing
- Use of billing software and subscriber management
- Schedule of invoice issuing
- Home-based recovery
- Commercial outsourcing granted to neighborhood committees
- Diminution of illegal connections of meters
- Fraud finding procedure by a judge , and file of legal action against fraudsters.

Commercialization

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LOCALITY	CLIENTELE	PENETRATION RATES	HOUSEHOLDS
CARACOL	1 831	70 %	2 600
TROU-DU-NORD	2 569	28 %	9 204
SAINTE-SUZANNE	131	2 %	5 560
TERRIER-ROGUE	912	14 %	6 326
LIMONADE	1 846	17 %	10 840
TOTAL	7 289		34 530

Social engineering

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- Taking into account of the population's ability to pay
- Communication and awareness-raising about sustainable features of provided services
- Survey and meeting with neighbourhood committee
- Plan for raising tariffs

Social impact

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- Access/Electricity supply in 5 localities :
 - ✦ Caracol, Trou du Nord, Terrier Rouge, Sainte Suzanne, Limonade
- 7,800 households supplied with electricity
- Creation of additional activities
- Creation and supply of 1,000 micro and small and medium businesses in various sectors (Hospitality, restaurants, shops , food storage and supplies
- Business in agriculture, agri-industries
- Universities, vocationnal centers



Social impact (2)

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Label	Before 2012	After 2012	Projection 2025
Tariff	Fixed	Adjusted	Adjusted
Number of hours supplied	4 hours	24 hours	24h
Stability		98%	100%
Penetration rate	2%	28%	70%
Recovery (collection) rate		95%	95%
Customers relationships	manual	electronic	electronic
Type of meter		traditionnal meter	smart meter

Social impact (3)

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Label	Before 2012	After 2012	Projection 2025
Billing method	None	Meters	Meters
Billing rate		100%	100%
Commercial service	Unavailable	Active	Active
Technical service	Unavailable	Active	Active
Accounting service	Unavailable	Active	Active
Number of active subscriber	200	7800	21000
Supplied town		5	7 Fort Liberté Ouanaminthe

Replicability

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Town	Companies	System	Clients	population	Working
Jean Rabel	SIGORA	Hybrid	900	4500	Since...
Mole St Nicolas	SIGORA	Hybrid	1100	5500	
Pico Islands	SIGORA	Solar	50	250	
Les Anglais	Earth Spark	Hybrid	450 (20 commercials)	6000	To restore
Les Coteaux	ENRECA	Hybrid			To restore
Tiburon	Earth Spark	Hybrid	In progress	6000	To restore

Ministry of Economy and Finance (MEF/Haiti)

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