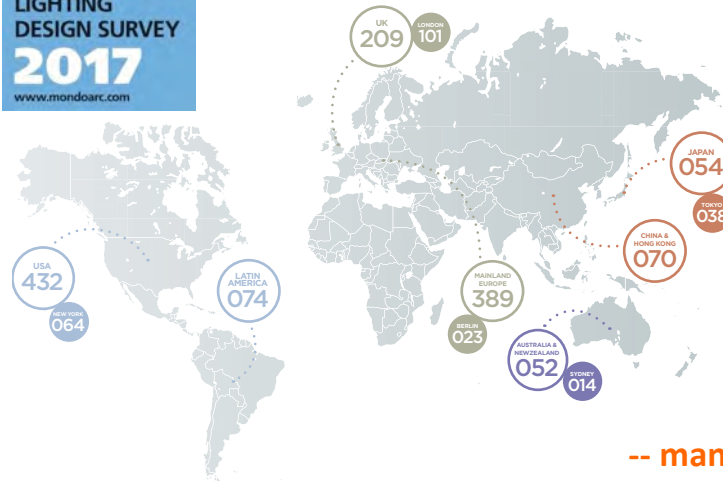




## Lighting Designers (ARE) Without Borders



1,500 lighting design practices  
5,000 lighting suppliers



-- many are of us are WILD



**Haiti > Martissant > ZAC: 50,000+ residents**







## 1- Sharing knowledge: light & lighting





## 2- Analysis > Site



plas



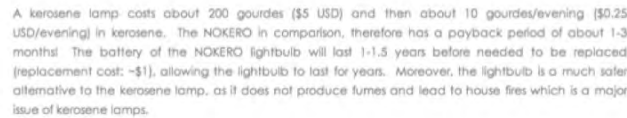
korido



la kay



- **Lack of regulatory framework for private utilities:** Despite laws Electricité d'Haïti (EDH) is often perceived as having exclusive electricity. EarthSpark and other microgrid operators are in discussion with Public Works (MITPPC) and other stakeholders to clarify the firm's stance on a decree that gives municipalities the authority to provide delegate that authority to a third party.
- **Skilled lineman are not readily available:** EarthSpark contracted a Dominican company to install the distribution system. Our local grid technician has been trained for basic distribution system work, but for larger trouble shooting and work we are currently relying on the Dominican firm's linemen. This is not a feasible long-term solution, and stronger local capacity and local partners is needed.
- **Equipment and supplies not available in country:** Many supplies are not found in Haiti and must be acquired in the U.S. Unfortunately Haiti has high customs fees and shipping services are not reliable.

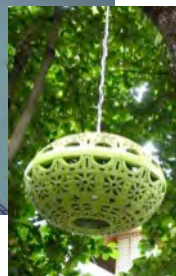
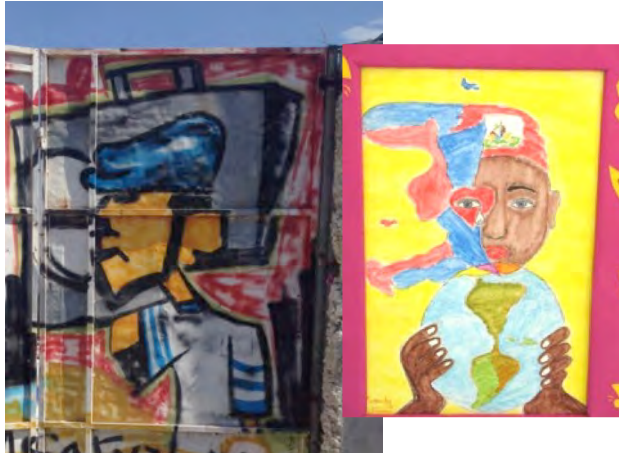


Logos of participating companies: NERSA, GOGLA, ENÈJI PWÖP, NOKERO SOLAR, MATELEC, d.light, SOLARLAND, and fokal.





### 3- Process > participatory

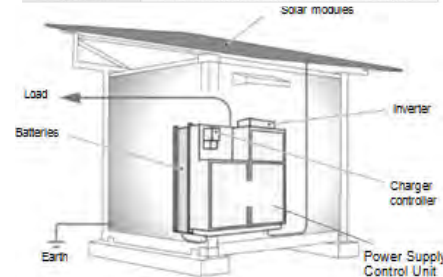




## 4- Proposal > Long-term (microgeneration)



	Product name
Name	Power Supply Container stand-alone photovoltaic power package
Container	Container for marine transportation
Dimensions (mm)	4780 (W) x 3452 (L) x 3486 (H) (Container: 3029 (W) x 2438 (L) x 2591 (H))
Mass	Approx. 3000 kg
Maximum inverter output	3 kW
Total storage capacity	17.2 kWh
Solar modules	Monocrystalline hybrid solar module "HIT" x 12
Control board	Power Supply Control Unit
Storage batteries	12V/60Ah deep cycle valve-regulated lead-acid battery x 24







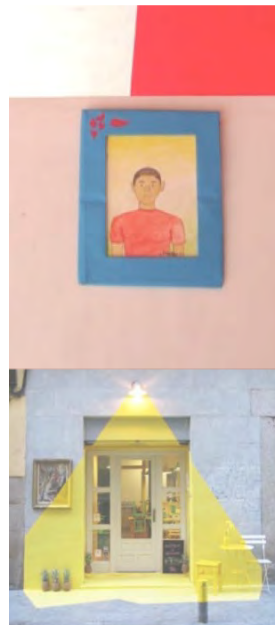
## 4- Proposal > Short + mid term (streetlights @ plazas + main roadways)







## 4- Proposal > Short + mid term (stationary lights @ pathways)



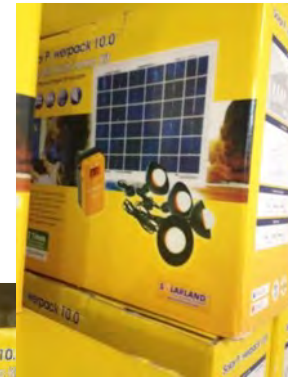


## 4- Proposal > Short + mid term (portable lights @ solar library, homes)





## 5- Strategy > Survey of solar products + distribution channels @ Haiti





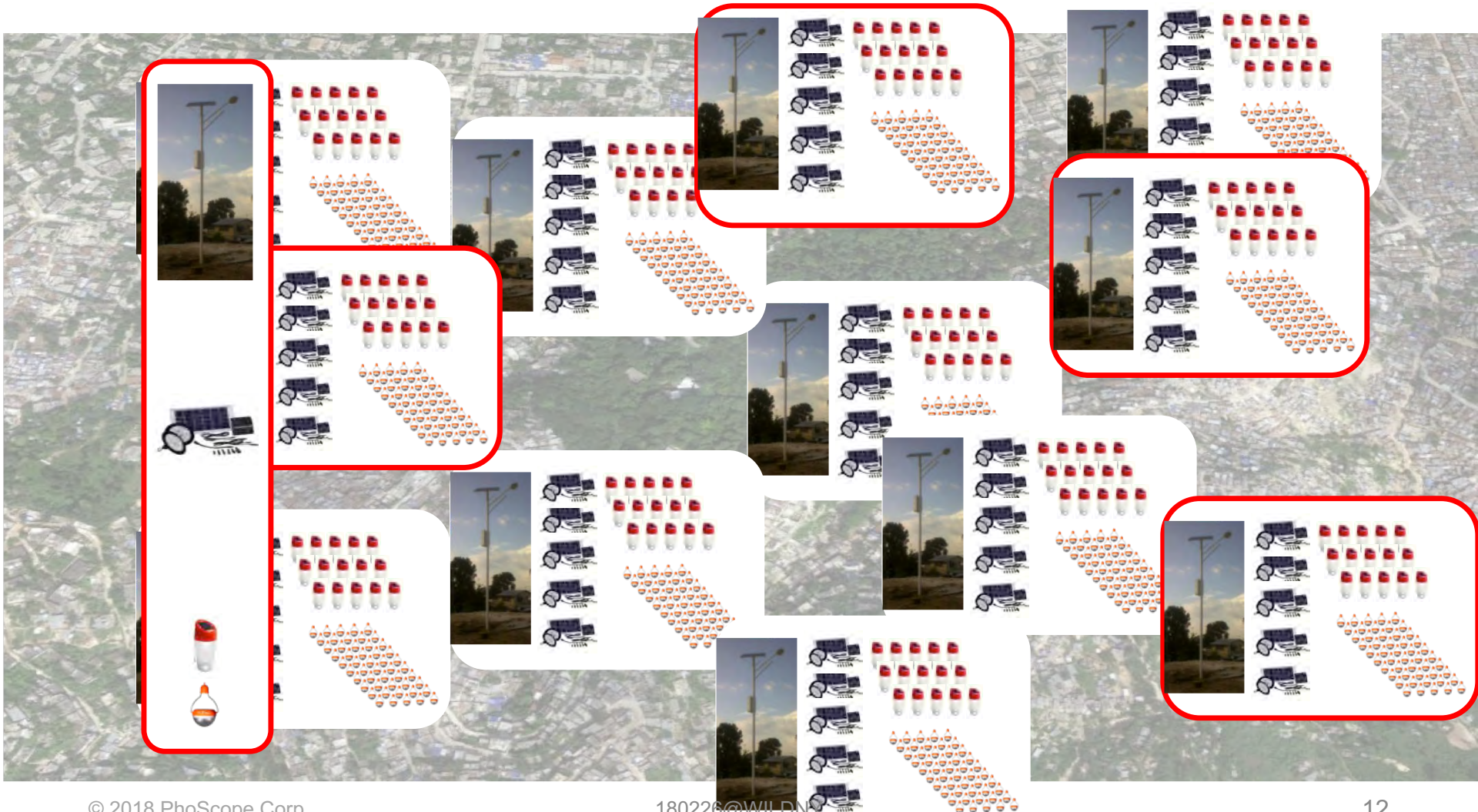


## 5- Strategy > Selection, testing & assessment (off + on site)





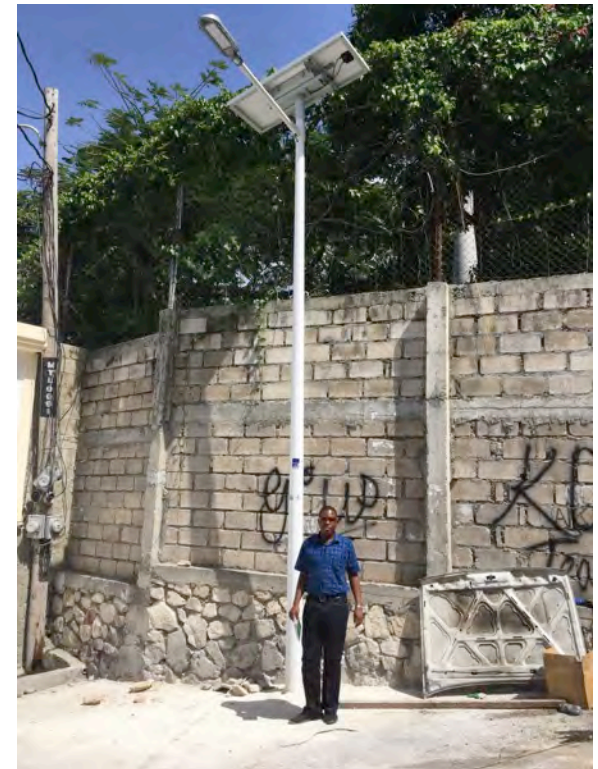
## 5- Strategy > Planning: pilot projects & scale-up







## 6- Implementation > Streetlights







## 6- Implementation > Stationary lights



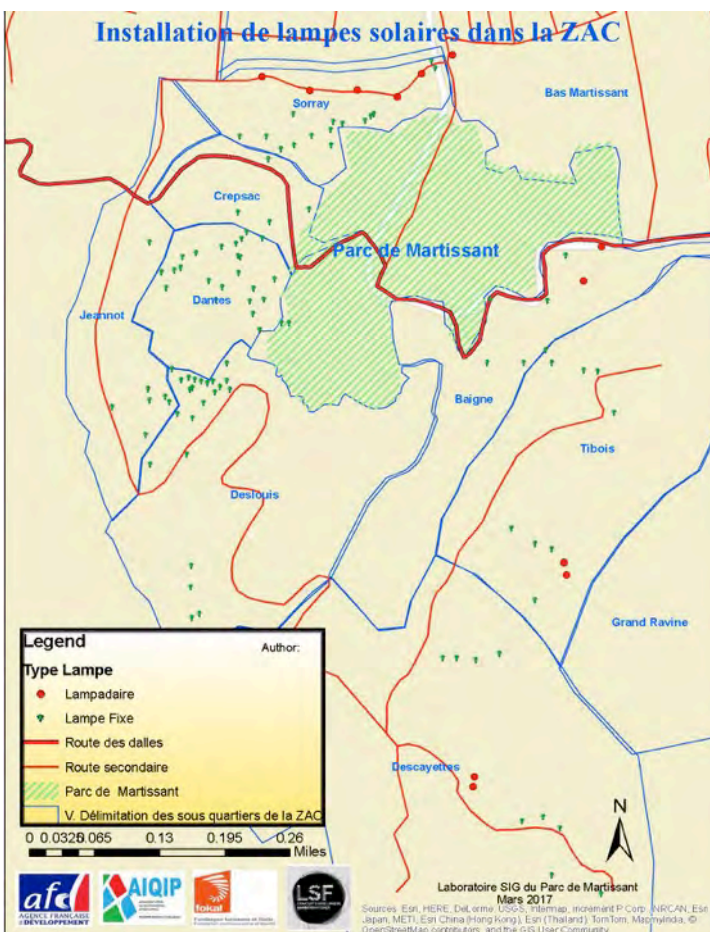


## 6- Implementation > Solar library @ cultural center





## 7- Assessment > Document & monitor > Expand



No	Sous Quartier	Corr
1.	Tibois	Titoi
2.	Tibois	Titoi
3.	Descayettes	Cajo
4.	Descayettes	Cajo
5.	Baigne	Talsi
6.	Baigne	Rte Dalk
7.	Baigne	Balg
8.	Baigne	Balg
9.	Baigne	Balg
10.	Baigne	Balg
11.	Baigne	Balg
12.	Tibois	Plati tiboi
13.	Tibois	Plati tiboi
14.	Tibois	Plati tiboi
15.	Tibois	Plati tiboi
16.	Tibois	Plati tiboi
17.	Descayettes	Cajo
18.	Descayettes	Cajo
19.	Descayettes	Cajo
20.	Descayettes	Cajo
21.	Descayettes	Cajo
22.	Martissant	Imp. Dan
23.	Sorray	Rue
24.	Sorray	Jeho
25.	Sorray	Rue
26.	Sorray	Rue
27.	Sorray	Rue

28.	Dantès	Desl
29.	Dantès	Desl
30.	Dantès	Desl
31.	Dantès	Desl
32.	Dantès	Desl
33.	Dantès	Desl
34.	Dantès	Desl
35.	Sorray	Rue
36.	Sorray	Rue
37.	Sorray	Jeho
38.	Sorray	Jeho
39.	Sorray	Jeho
40.	Sorray	Jeho
41.	Sorray	Jeho
42.	Sorray	Jeho
43.	Sorray	Jeho
44.	Descayettes	Imp. Dan
45.	Descayettes	Imp. Dan
46.	Descayettes	Imp. Dan
47.	Descayettes	Imp. Dan
48.	Tibois	Titoi
49.	Tibois	Titoi
50.	Tibois	Titoi
51.	Tibois	Titoi
52.	Deslouis	Imp. Périn
53.	Deslouis	Imp. Périn

54.	Deslouis	Imp. Périn
55.	Deslouis	Imp. Périn
56.	Dantès	Ruel Rom
57.	Dantès	Ruel Rom
58.	Dantès	Ruel Rom
59.	Dantès	Imp. Fanf
60.	Deslouis	Imp. Dom
61.	Deslouis	Imp. Dom
62.	Deslouis	Imp. Dom
63.	Deslouis	Imp. Dom
64.	Deslouis	Imp. Dom
65.	Deslouis	Imp. Dom
66.	Deslouis	Imp. Dom
67.	Deslouis	Imp. And
68.	Deslouis	Rue Jean
69.	Sorray	Jeho
70.	Sorray	Jeho
71.	Sorray	Nick
72.	Sorray	Terr
73.	Sorray	Anvi
74.	Sorray	Anvi
75.	Sorray	Pont

76.	Sorray	Anvi
77.	Dantès	Dom
78.	Dantès	Dom
79.	Dantès	Dom
80.	Dantès	Mat
81.	Dantès	Mat
82.	Dantès	Carr Ruel
83.	Dantès	Ruel
84.	Dantès	Ruel
85.	Dantès	Ruel
86.	Dantès	Ruel
87.	Dantès	Desl
88.	Dantès	Imp. Dou
89.	Dantès	Creg
90.	Dantès	Creg
91.	Dantès	Imp. Dou
92.	Dantès	Ruel
93.	Dantès	Ruel
94.	Deslouis	Imp. Dom
95.	Deslouis	Imp. Dom
96.	Deslouis	Imp. Dom
97.	Deslouis	Imp. Dom
98.	Deslouis	Imp. Dom
99.	Deslouis	Imp. Dom
100.	Deslouis	Imp. Dom
101.	Deslouis	Imp. And
102.	Deslouis	Imp. And

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Informations sur les lampes Solaires installées dans la ZAC

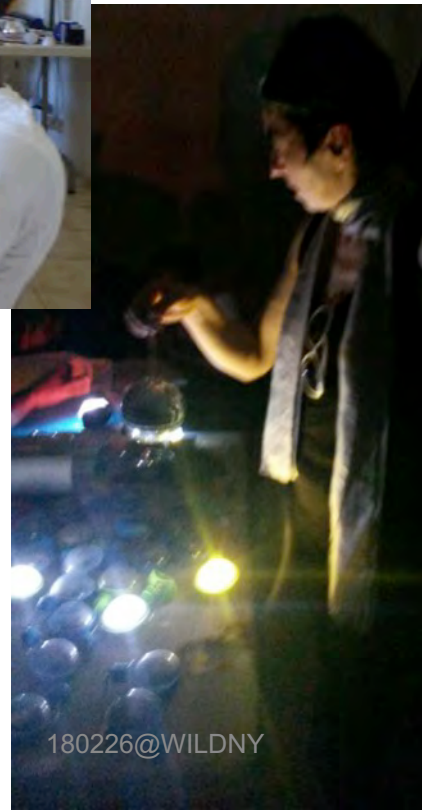
ID	Deslouis	Imp. Andremin	Lampe Fixe	18.5237	-72.3653	314.96 ft	Fonctionnel	Mars 2017	AJDSOP
103	Deslouis	Imp. Andremin	Lampe Fixe	18.52378	-72.3651	311.68 ft	Fonctionnel	Mars 2017	AJDSOP
104	Deslouis	Imp. Andremin	Lampe Fixe	18.52373	-72.3653	298.56 ft	Fonctionnel	Mars 2017	AJDSOP
105	Deslouis	Imp. Andremin	Lampe Fixe	18.52388	-72.3654	301.84 ft	Fonctionnel	Mars 2017	AJDSOP
106	Deslouis	Imp. Pépé	Lampe Fixe	18.52325	-72.3654	314.96 ft	Fonctionnel	Mars 2017	AJDSOP
107	Deslouis	Imp. Pépé	Lampe Fixe	18.52285	-72.3653	324.8 ft	Fonctionnel	Mars 2017	AJDSOP
108	Deslouis	Rue Jeannot	Lampe Fixe	18.52563	-72.3659	295.28 ft	Fonctionnel	Mars 2017	AJDSOP

N.B Ce tableau concerne uniquement les lampes et lampadaires installés au 9 Mars 2017.





## Step # 1- Organize with local partner & educate your clients



## Step # 2 – Research & analyze market, QAQC, ROI





## Step # 3 – Strategize with your clients for their needs





# You are WILD: get involved and start new projects!



*contact me-- I will help:*

Nathalie Rozot

[nrozot@phoscope.org](mailto:nrozot@phoscope.org)

PhoScope



*thank you.*