



# Invest in energy

Growing production for the rapid industrialization of the country

# Plan

- General presentation
- Energy infrastructure
- Acquired
- Ongoing projects
- Investment opportunities





# General presentation



# General presentation

- Area: 245,857 Km<sup>2</sup>
- Population: 12 million inhabitants
- One of the highest growth rates in the world: 9.9% on average since 2016 (IMF)
- Gain of 27 ranks in the World Bank's Doing Business in 7 years
- Mobilization of more than 21 billion USD at the PNDES Advisory Group for 2016-2020
- Guinea-China framework agreement: 20 billion USD over 20 years for infrastructure financing



# General presentation

- Energy production potential of 9,300 GWH/year
- 1,165 watercourses
- Hydroelectric potential estimated at 6,233 MW
- Wind energy production potential with an average wind speed of 3m/s
- Solar energy production potential with 4.8 Kwhm<sup>2</sup>/day of solar energy







# Energy infrastructure



# Infrastructures



**Kaléta Dam**

- Opened in September 2015
- 240 MW production capacity
- Doubling of Guinea's energy capacity at launch (from 212 MW to 450 MW,)
- The interconnected network increased from 51.82% in 2014 to 86.46% in 2018



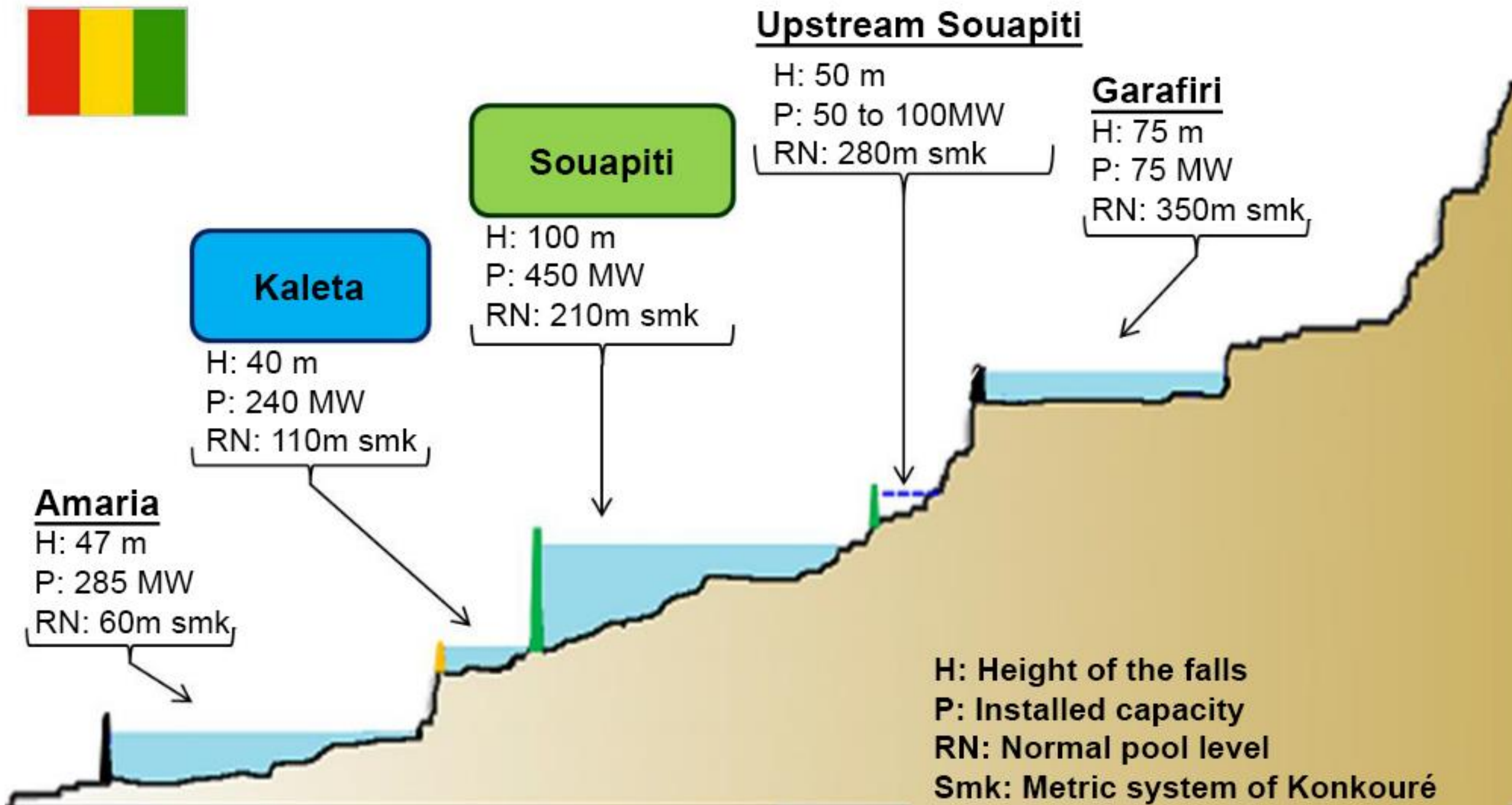
**Energy service**

- Souapiti is the third dam built on the Konkouré River
- 450 MW production capacity
- Provides water retention for dams already in production with a water retention of 6 billion 375 million cubic meters



**Souapiti Dam**

- Construction of 8.2 km of medium-voltage lines (MV)
- Construction of 23.6 km of low-voltage lines (LV)
- Installation of 39 substations
- 26 prefectures and 36 localities were electrified from 2010 to 2018

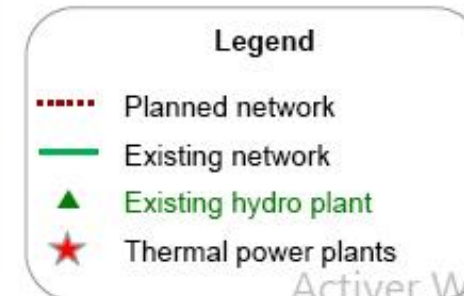
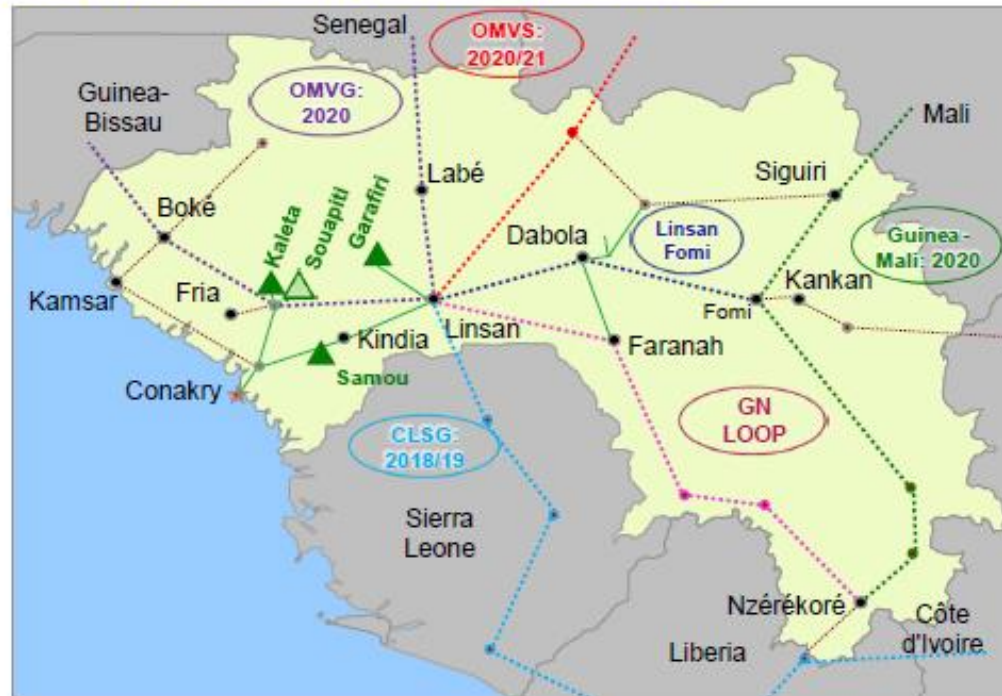




# An improved service

- Renovation of 1,230 km of networks
- Reduction in the number of outages from more than 40 per month in 2015 to less than 1 at the end of 2016
- 80% reduction in load shedding hours

## Electricity transport network in Guinea Inventory of existing or planned lines



# Acceleration of electrification and interconnection

## Production

- Launch of construction work on the Amaria hydroelectric dam (300 MW)
- Launch of the Koukoutamba hydroelectric development project (294 MW capacity)
- Construction of a 90 MW hydroelectric dam on a Diani River site
- Construction of a 90 MW hydroelectric dam on a Sankarani River site
- Supply of mining areas (gold and iron):
  - Linsan-Fomi 225kV line (planned for 2020)
  - Linsan, Fomi, Kankan, Kérouané substations:
  - Siguiri-Fomi-N'Zérékoré 225kV line (projected for 2020)

## Distribution

- West African Power Pool : ECOWAS
- Organization for the Development of the Gambia River: Gambia, Guinea, Guinea-Bissau, Senegal
- The Senegal River Basin Development Organization: Guinea, Mali, Mauritania, Senegal
- Niger Basin Authority: Benin, Burkina Faso, Cameroon, Côte d'Ivoire, Guinea, Mali, Niger, Nigeria, Chad
- Signing in 2018 of a 130 million euro agreement with the European Investment Bank to connect more than 200,000 people in Guinea and to transport energy in Mali, Liberia and Sierra Leone





# Investment opportunities

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NO.	PROJECT	COST
1	Rehabilitation of hydraulic power plants and source stations ("Guinea Energy Project")	97.6 million USD (total project), of which 16.7 million USD remain to be financed (Donkéo Power Plant)
2	National program to improve access to electricity in Guinea	643.5 million USD
3	Village Hydraulic Project in the prefectures of Kérouané and Mandiana	16.5 million USD
4	4th Conakry Water Project Phase 1	250 million USD (1st phase)





**Thank you for  
your attention**

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