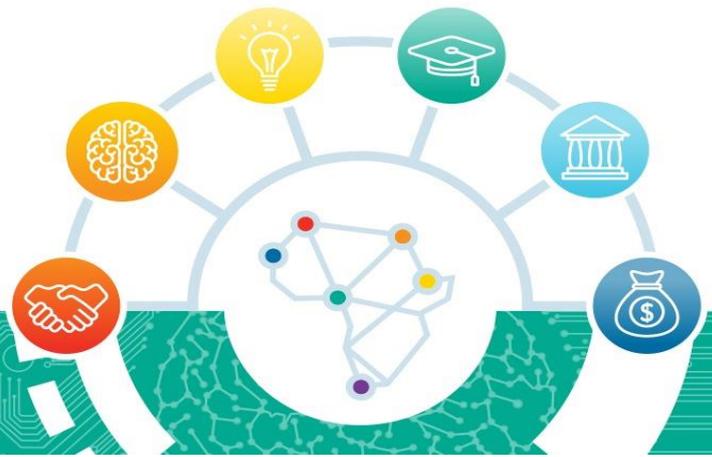




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Challenge – The Innovation Wall AI Expo – Septembre 2020

About Engie

ENGIE is the largest independent electricity producer in the world, and one of the major players in natural gas and energy services. The Group has more than 50 years of experience on the African continent and has the unique ability to implement integrated solutions all along the energy value chain, from centralized electricity production to off-grid solutions (solar home systems, mini-grids) and energy services. ENGIE Africa employs nearly 4,000 people, and has 3.15 GW of power generation capacity in operation or construction. It is a leader in the decentralized energy market, providing clean energy to more than four million people through domestic solar installations and local microgrids.

Challenge statement

The major trends driving energy consumption in sub-Saharan Africa are urbanisation and population growth. These trends are resulting in the outstanding growth of cities in sub-Saharan Africa. Even though Africa is the least urban continent, its future is undoubtedly urban.

Indeed more than 600 million people or 60% of the population living in sub-Saharan Africa have no access to electricity. Africa's population is projected to double over the next 30 years to over 2 billion and 50% of Africans will potentially be living in cities by 2030.

The UN's Sustainable Development Goal #11 "Make cities and human settlements inclusive, safe, resilient and sustainable" is at the core of all SDGs.

The informal economy in Africa plays a big role in the development of these cities. Indeed, in sub-Saharan Africa, informal economy (economic activities that are not regulated and therefore not taxed) represents up to 41% of GDP and provides 85.5% of total employment. This directly impacts the infrastructure of these cities, as authorities are not collecting enough taxes to finance critical infrastructure such as roads, hospitals, and power.

The challenge will consist of using AI and data to identify, study and map the population living in urban unconnected areas and informal settlements in order to understand and forecast the coverage of essential service needs.

The Prize

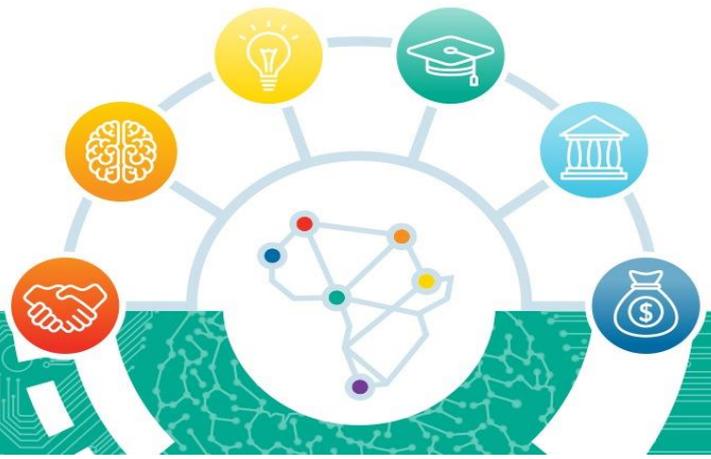
The winner will have the opportunity to run a 4 months mission aiming at designing, developing and implementing a use case.

Who can apply



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We are looking for smart African project holders, start-ups or students living in Africa and that are able to design and develop a data valorisation use case.

Application Form

In addition to the Poster, 5/6 slides presenting succinctly the proposed solution, the team, the Business Model,