



**Innovation Africa 2022**  
Africa's Official Ministerial Summit  
Lusaka, Zambia



## The Youth Innovation Hub

**The Solar Rechargeable Car**

# The Solar Re-chargeable Car

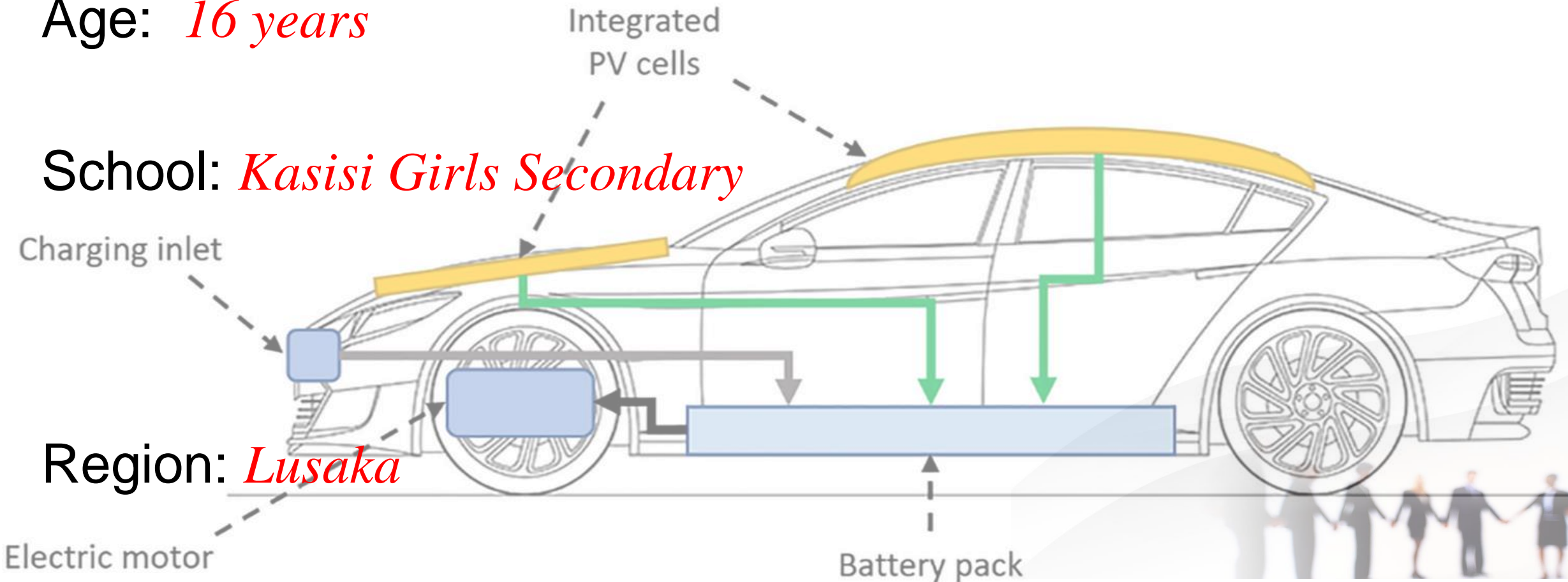


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Age: *16 years*

School: *Kasisi Girls Secondary*

Region: *Lusaka*

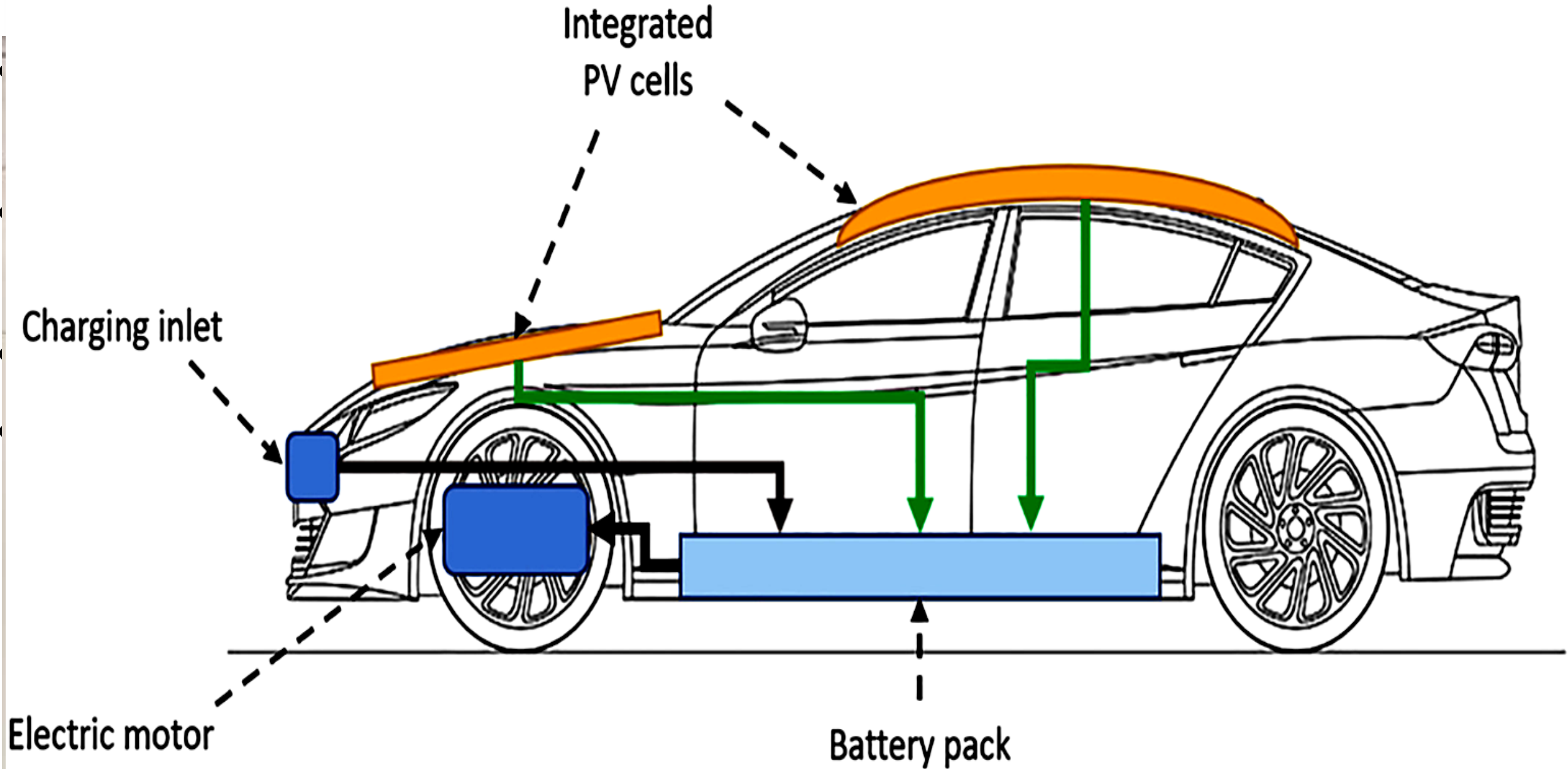


# The Problem

- Most of the vehicles in Zambia use **fossil fuel**
- Dependence non renewable sources of energy (petroleum)
- **Lots of carbon emission**, thereby adversely affecting natural and climatic conditions
- However, Zambia is **endowed with plenty of solar energy** and water resources
- Why are we not **harnessing** and **utilising** these natural resources?



# The Innovation



# The Justification

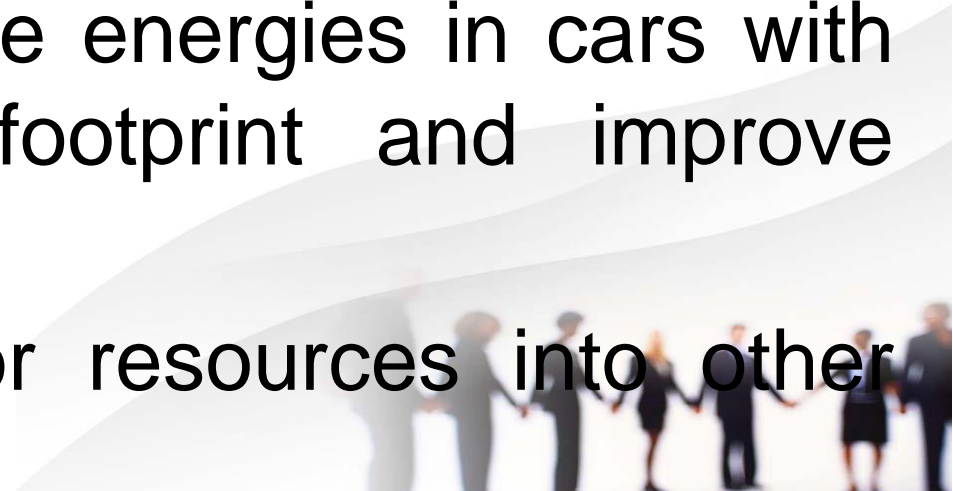
- The innovation uses both **solar and electric charging systems**
- The solar energy is **readily available** and in abundance
- is able to reduce fossil fuel usage, thereby controlling pollutions
- It will contribute to preservation of environment (with no tailpipe emissions)
- Renewable energy sources will help to shape a more sustainable future



# The Social Impact



- Help mitigate climate change
- Solar energy doesn't cause pollution
- It is **environmentally friendly**
- Create employment in industries (Battery, Solar and Mining)
- Will contribute to the use of renewable energies in cars with the aim of reducing the carbon footprint and improve livelihoods
- Reinvestment of resources meant for resources into other sectors of the economy



# Likelihood of Success

- This innovation works quite well
- It is scalable
  - Solar energy is free and will never run out
  - Solar energy is a less running cost compared to petroleum based fuels
- It is solving the issue of fuel dependancy
- It is also help reduce the green house effect because they are less emotions of harmful gaese in the environment
- It is creating employment for locals and also international investors



# The Appeal



- Technical assistance
- Material support
- Financial support
- Sponsorship for further research to improve the innovation





# Thank you

