Technology for green energy Vasudha : & sustainable earth

Millend Roy, Akshay Nambi, Tanuja Ganu, Shivkumar Kalyanaraman, Srinivasan Iyengar

15GT Transportation: 27% 24GT Energy: 41% Q. How Greenhouse Gas Emissions add up? A. Pathway to Climate Action: tracking and measuring carbon emissions accurately, reducing emissions through alternatives like renewables, optimizing the use of green resources.



1.Develop an optimization layer that considers uncertainties, safety constraints and supports both neural network based and traditional optimizers.

2. Build a scalable framework to manage and optimize numerous energy entities in real-time.



Non-renewables

E

Power flow

5+

Batter

Load