介绍一下EV incline sale---trend to approach worldwide application？

Green or not？

Electricity vs oil? Why better?---significance of use of electric vehicles

Sales, registration

Electric cars registration increase, especially in china, about 3 times, 2021-2019

Global ev fleet in 2021 consumed 50TWh of electricity---replace 0.3mb/d of oil in 2021---7mb/d of oil in 2030

Oil reserve amount—2yi wan barrel, use of e-vehicles make the oil reserve last for 255 more days---including us of oil in other areas

Electricity demand:

LDV 34TWh

Bus 13.6

Truck 1.6

Total around 50TWh

Prediction e-vehicle over 58% in 2030---

Co2 emission 3.5Gt in 2021, 8% e-vehicle(all transport)---increase in ev, reduction in CO2 emission, 58% use of EV. 1.75Gt

Daily consumption of oil 400亿barrel---7mb

<https://www.iea.org/reports/cars-and-vans>

<https://iea.blob.core.windows.net/assets/ad8fb04c-4f75-42fc-973a-6e54c8a4449a/GlobalElectricVehicleOutlook2022.pdf>

carbon intensity---Netherlands, increase in 5% EV, carbon emission decrease 10g, 20,000多立方米， from vehicles(consider CO2 emission from electricity generation)---use of EV may reduce CO2 emission

<https://ourworldindata.org/>

<https://ourworldindata.org/transport>

oil consumption? Price?

Renewable?

LDV, HDV?

sales

L11 content, driving range, increase potential

<https://www.toyota-global.com/company/history_of_toyota/75years/vehicle_lineage/car/id60005480A/index.html>