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Why Nuclear Matters?

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Self-Introduction



- 1985 Born in Saudi Arabia
- 2007 Sendagaya Japanese College
- 2009 Tokai University, School of Engineering,
Department of Energy Engineering
- 2012 Internship at Solar Frontier K.K
- 2013 Tokai University, School of Engineering,
Applied Science Course
- 2015~Present Waseda University, School of Advanced
Science and Engineering, Nanoscience
and Nanoengineering Major

- ❑ Global population and energy consumption
- ❑ Fossil fuel consumption in developing nations and the Kyoto Protocol

- ❑ Nuclear is future energy
 - ✓ Environmentally friendly
 - ✓ Stable energy source
 - ✓ Small fuel quantities
 - ✓ Low cost
 - ✓ Cutting-edge technology
 - ✓ Economic effects

Primary energy demand, 2035 (Mtoe)



China is the main driver of increasing energy demand in the current decade, but India takes over in the 2020s as the principal source of growth

(from the IEA's World Energy Outlook 2013)

☐ Japan needs nuclear energy

✓ Resource-poor country

✓ Dependent on large quantities of electricity

Crude oil prices and situation in the Middle East

Fossil fuels emit CO₂

✓ Renewable energies (solar, wind, etc.) are not stable and costs are high

☐ Saudi Arabia needs nuclear energy

✓ National growth

✓ Economic growth

Use oil for export

Escape from dependency on oil

Thank you for your attention.