Most economic growth happens in non-OECD countries, where GDP per person nearly triples from 2018 to 2050.

Manufacturing centers are shifting toward Africa and South Asia, especially India, resulting in energy consumption growth.

**Average annual percentage change in GDP (gross domestic product), 2018–2050**

- **0%–2%**
- **2%–3%**
- **3%–4%**
- **>4%**

**Energy-intensive manufacturing gross output**

- **India**
- **other non-OECD Asia**
- **China**
- **Africa**
- **rest of world**

*Measured in purchasing power parity*

**End-use energy consumption by sector**

- **industrial**
- **transportation**
- **residential**
- **commercial**

**Energy consumption by industrial subsector**

- **energy-intensive manufacturing**
- **non-energy-intensive manufacturing**
- **non-manufacturing**
