

# World Energy Markets Observatory 2018/2019

## 5 Major Global Trends



### 1. Oil prices are on the rise

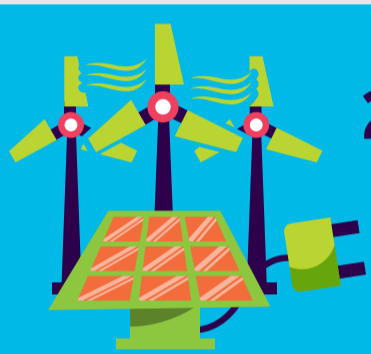


Oil prices rose as high as **\$80/barrel** for the first time since 2014; up almost **100%** since January 2016

Global oil consumption is expected to top **100 million** barrels per day by the end of **2018**

Rising fuel prices could **slow down the global economy**

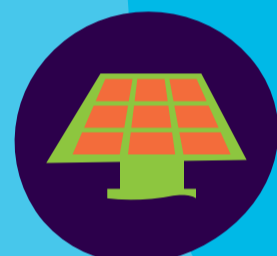
### 2. Renewables, carbon-free generation, and storage are expanding



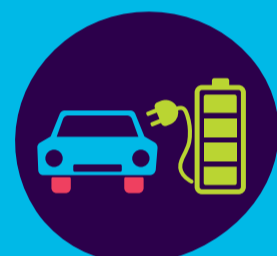
2017 investment in electric renewables generation **decreased** by 7% to **\$298 billion**



Investments in the **oil and gas** value chain witnessed an **increase**

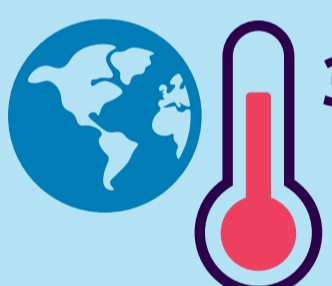


In early December 2017, the largest **floating solar power station** in the world – **40 GW, 800,000 m<sup>2</sup>** was launched in China



Triggered by **electric vehicle** development, **battery technologies** are **progressing** quickly

### 3. Climate change objectives are in question as a result of economic growth



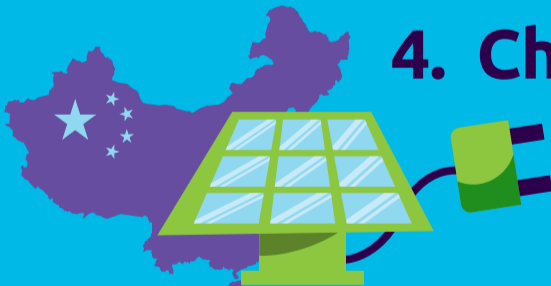
Global energy-related **CO<sub>2</sub> emissions** spiked in 2017, reaching a historic high of **32.5 gigatons**

The Paris 2015 Climate Accord objective to keep the global temperature rise below **2°C** in 2050 is becoming **difficult** to achieve

The **US, UK, Mexico, and Japan** showed declines in **Carbon emissions**



### 4. China's growing importance in energy



China is a large consumer with growing needs and the **biggest emitter of GHG**, well above the US



China is building new **coal plants** domestically and worldwide, making it a significant **global energy equipment provider**

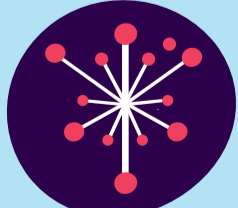
Controlling most of the **world's rare earth metals**, China is a formidable player in critical resources



### 5. The digital revolution is accelerating

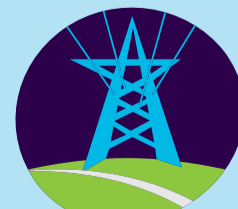


Digital adoption has huge potential to **decrease costs** in the industry and service sectors



IoT and blockchain have witnessed **progressive adoption**

Grid operators will strongly **benefit** from **digitization**



Cybersecurity remains a big concern but this will **not prevent** utilities from **deploying** their **digital transformation plans**

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