



الغرفة العربية اليونانية للتجارة والتنمية
ΑΡΑΒΟ-ΕΛΛΗΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ ΕΜΠΟΡΙΟΥ & ΑΝΑΠΤΥΞΗΣ
ARAB-HELLENIC CHAMBER OF COMMERCE & DEVELOPMENT



AACC

جوفته التجارة العربية النمساوية

austro-arab chamber of commerce

österreichisch-arabische handelskammer



5^ο ΑΡΑΒΟ-ΕΛΛΗΝΙΚΟ ΟΙΚΟΝΟΜΙΚΟ ΦΟΡΟΥΜ
المنتدى الاقتصادي العربي اليوناني الخامس
5th ARAB-HELLENIC ECONOMIC FORUM
Athens, 29-30 November, 2016

Session 2 Energy



Energy

مخزفة التجارة العربية النمساوية

austro-arab chamber of commerce

österreichisch-arabische handelskammer

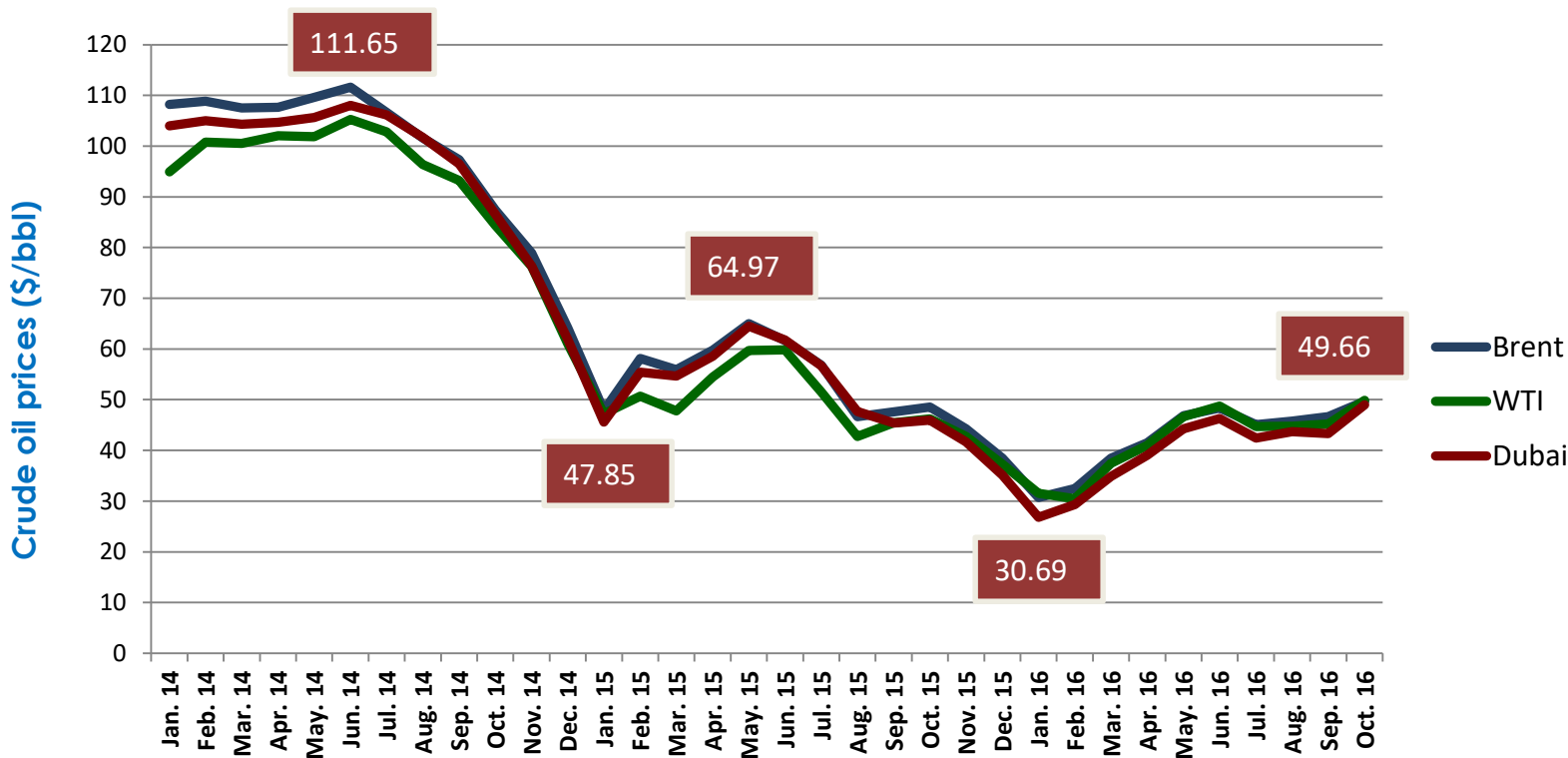
- Oil Price, Influences
- Oil Supply; Opec & None Opec
- Shale Oil
- Forecast for the future

- Alternative / Renewable Energy

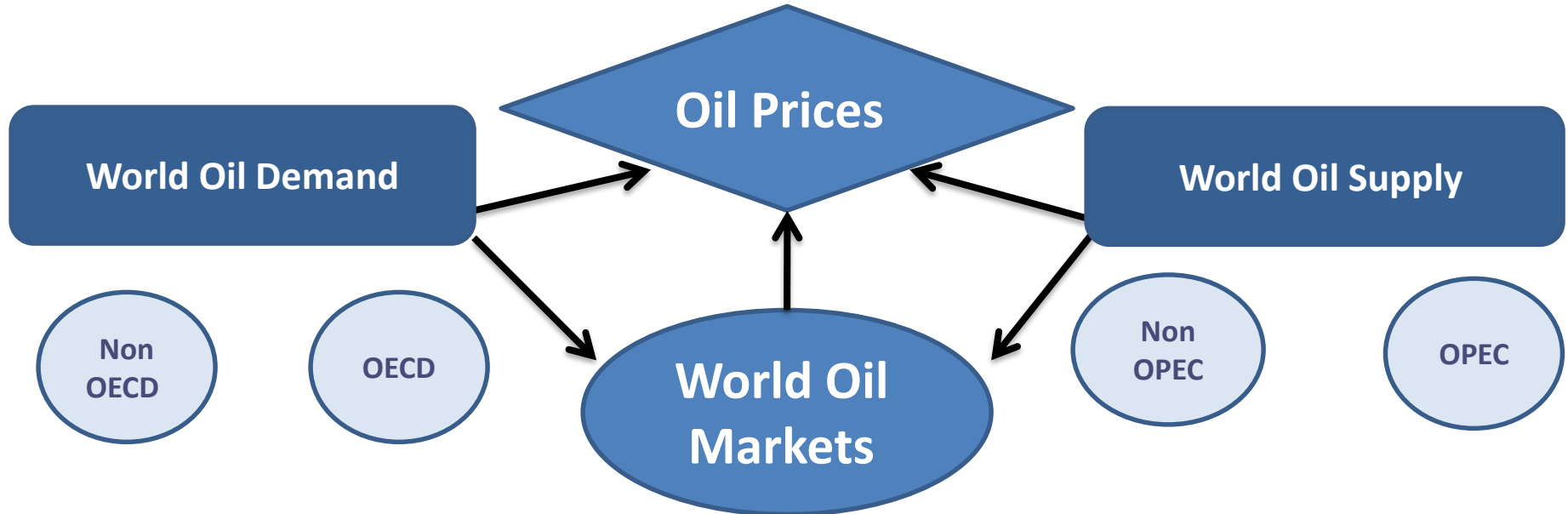


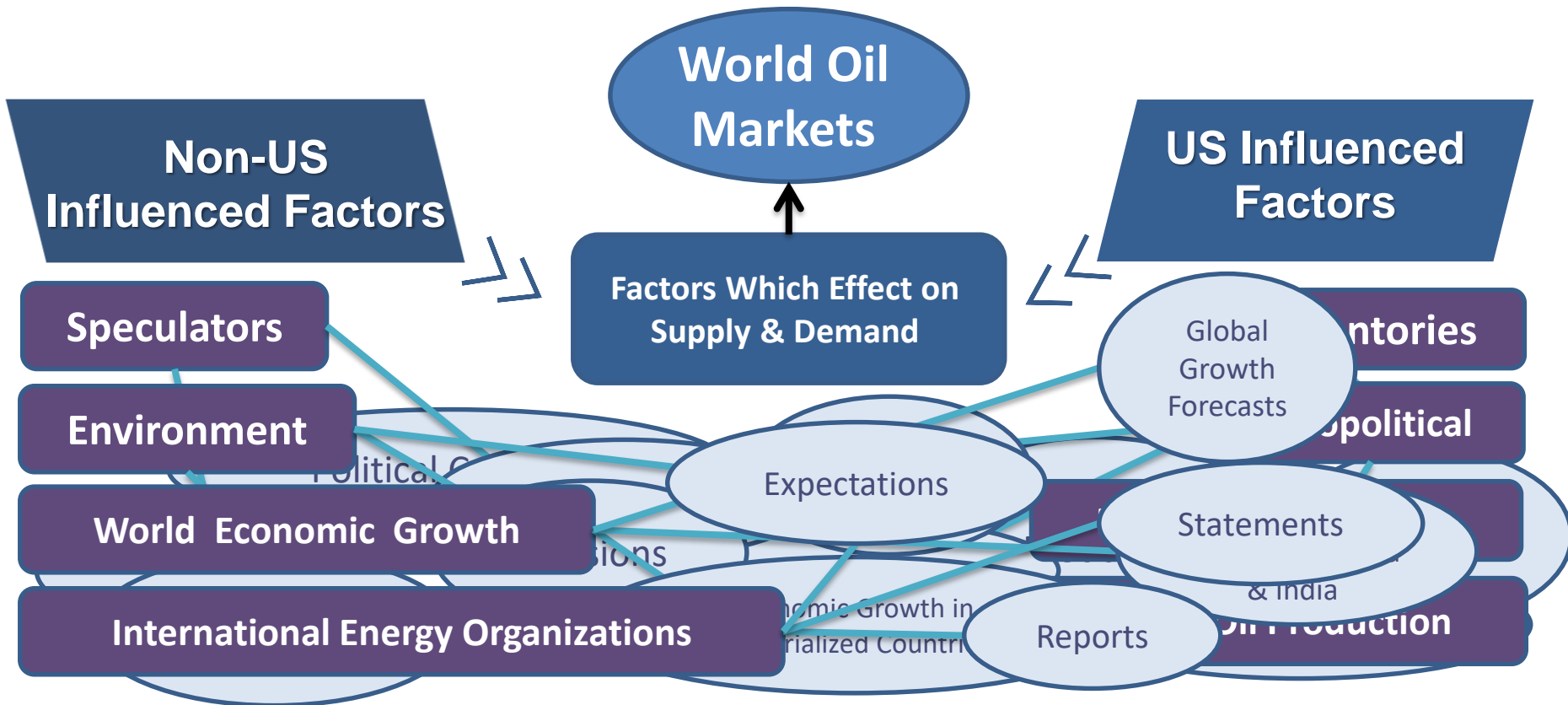
Crude Oil Prices Movement (Jan. 2014 – Oct. 2016)

جفوة التجارة العربية النمساوية
austro-arab chamber of commerce
österreichisch-arabische handelskammer



Influences of Crude Oil Prices

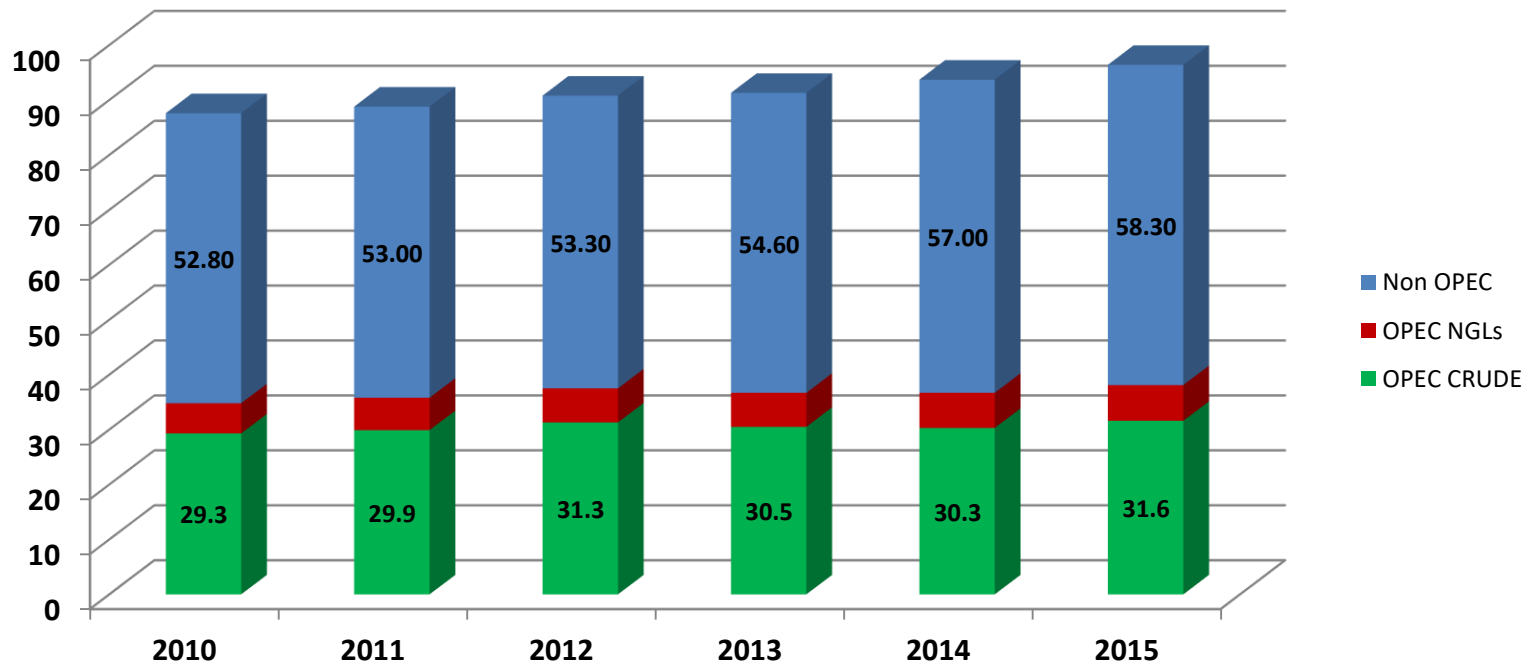


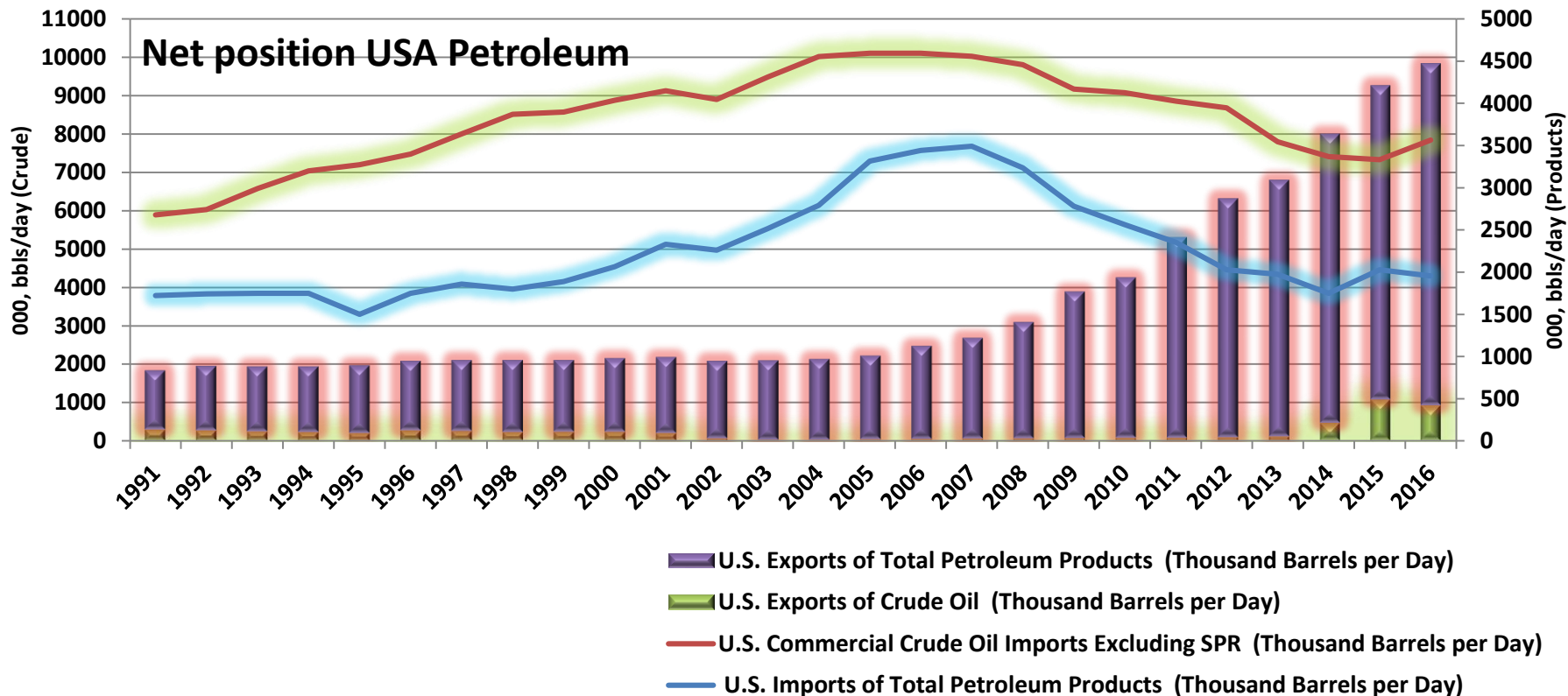




World Oil Supply (OPEC / Non-OPEC) 2010 – 2015

مخزفة التجارة العربية النمساوية
austro-arab chamber of commerce
österreichisch-arabische handelskammer

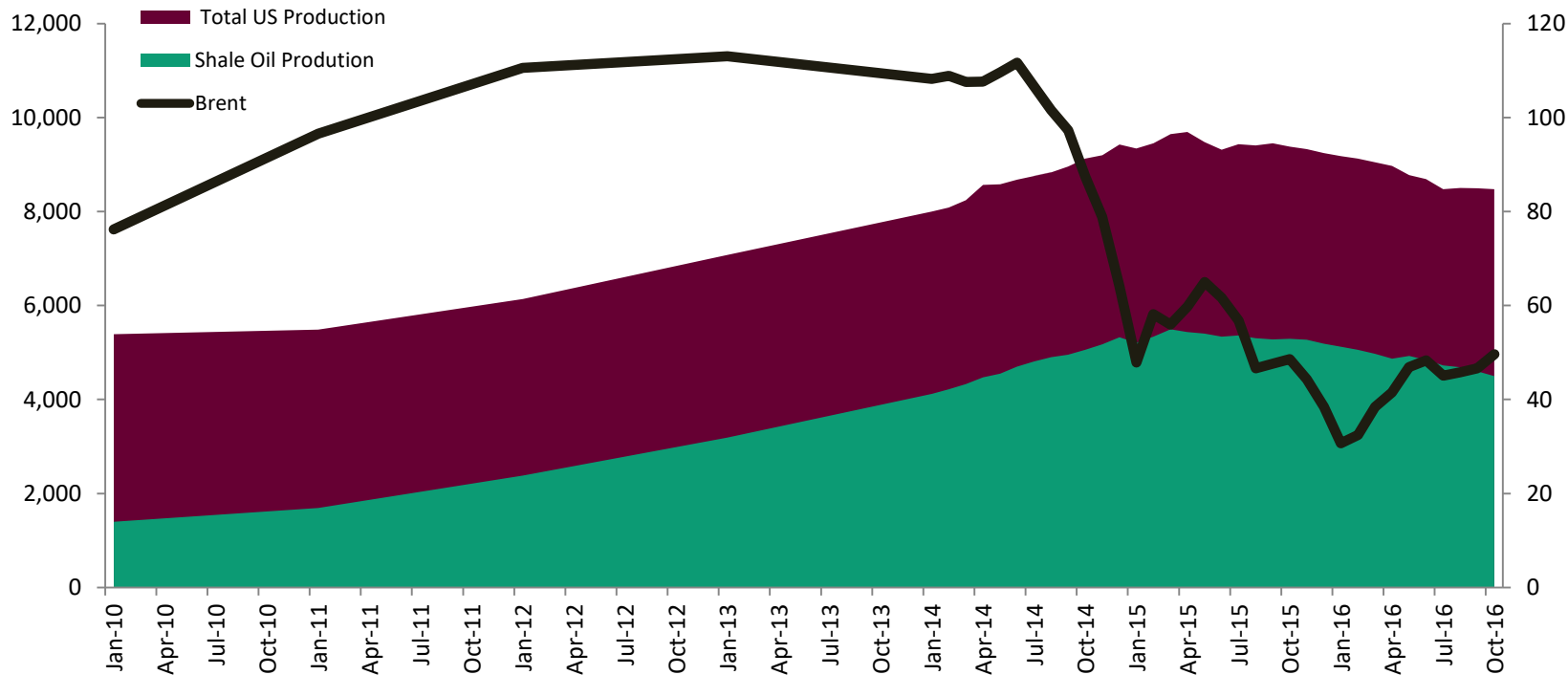






US shale Oil Production

مخزفة التجارة العربية النمساوية
austro-arab chamber of commerce
österreichisch-arabische handelskammer



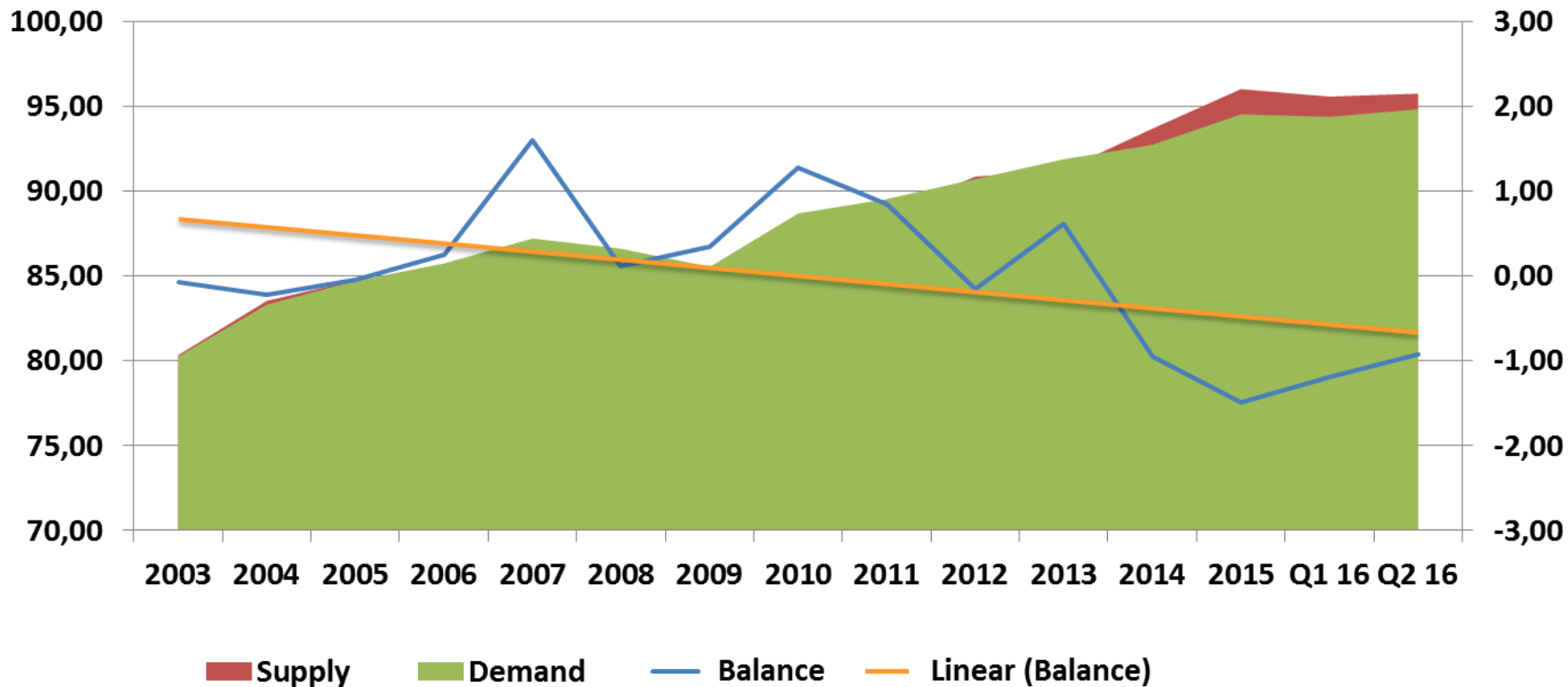


Oil: Supply / Demand

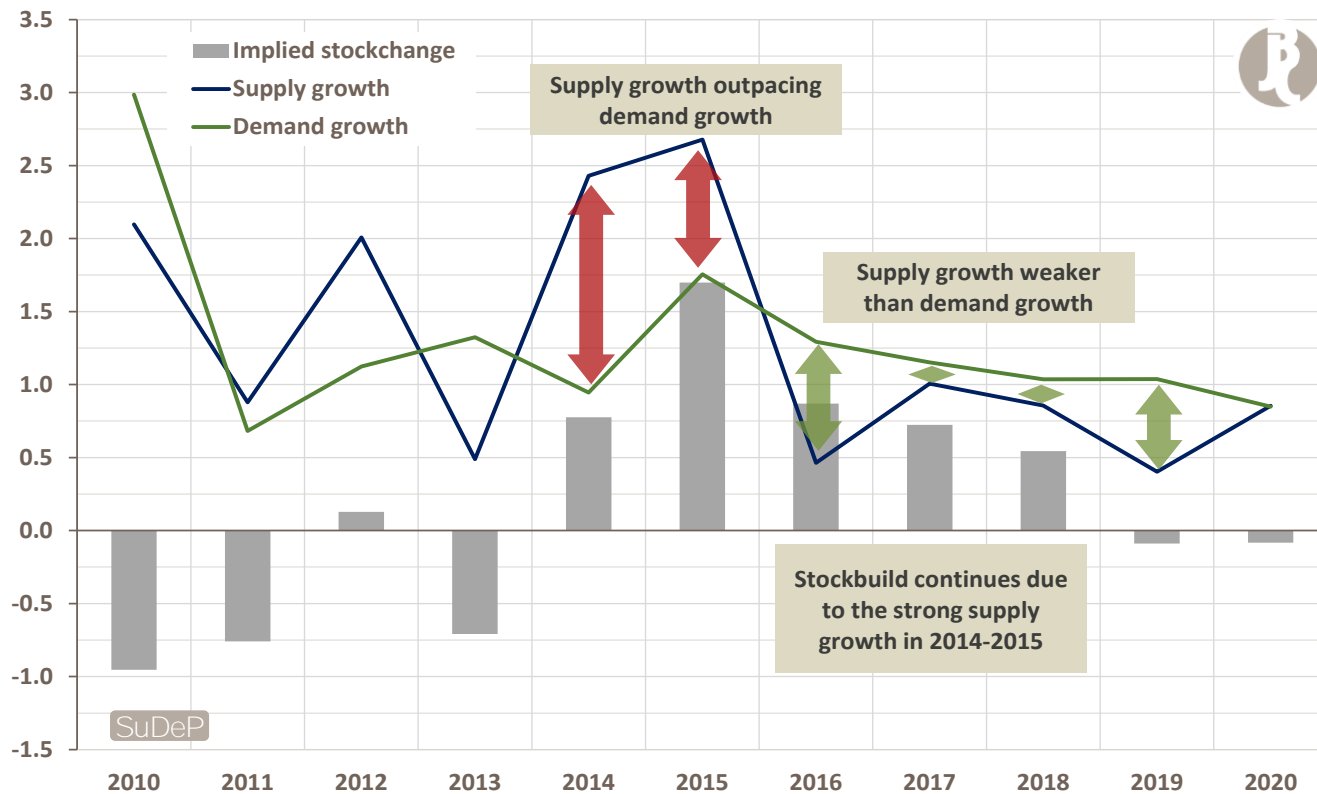
مَجْمَعَةُ التِّجَارَةِ الْعَرَبِيَّةِ الْأُوسْطَرِيَّةِ

austro-arab chamber of commerce

österreichisch-arabische handelskammer



Liquids Supply & Demand Growth Y-o-y, Implied Stockchange [million b/d]



Record investment for renewables - 2015

Renewables Investment

\$321 billion

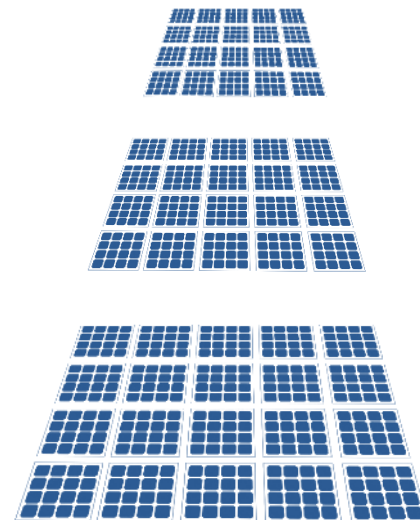
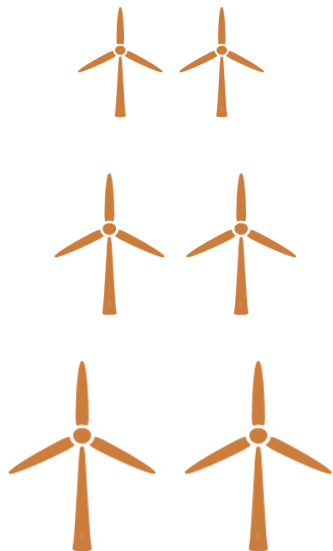
121 GW installed



Oil & Gas
Investment
\$315 billion



Globally, 2 wind turbines & over 20,000 solar modules were installed **every hour**

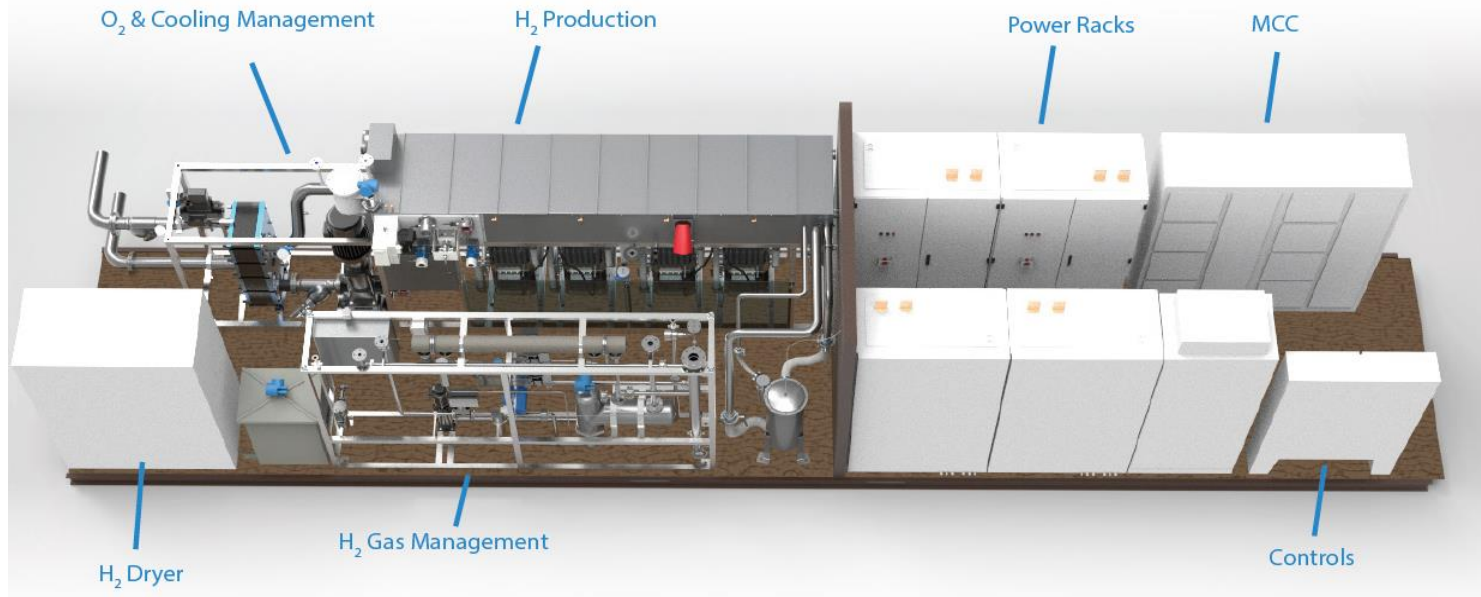


And this growth will continue over the **next 5 years**



from: Sprengel/Hoyer DLR

1MW electrical energy generates 200 kg Hydrogen gas per day
with a purity of **99,995 %** (standard 40ft container unit)



New Hyundai iX35 FECV with a 110 kW fuel cell needs
1 MgH₂ tank containing 10kg H₂ to perform a range up to 900 km





Sources

مخزفة التجارة العربية النمساوية
austro-arab chamber of commerce
österreichisch-arabische handelskammer



QSTec

Qatar Solar Technologies
قطر لتقنيات الطاقة الشمسية

عضو في مؤسسة قطر
Member of Qatar Foundation

IWK - Solutions GmbH





الغرفة العربية اليونانية للتجارة والتنمية
ΑΡΑΒΟ-ΕΛΛΗΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ ΕΜΠΟΡΙΟΥ & ΑΝΑΠΤΥΞΗΣ
ARAB-HELLENIC CHAMBER OF COMMERCE & DEVELOPMENT



AACC

جفوة التجارة العربية الاقتصادية

austro-arab chamber of commerce
österreichisch-arabische handelskammer



End of Presentation

Energy