

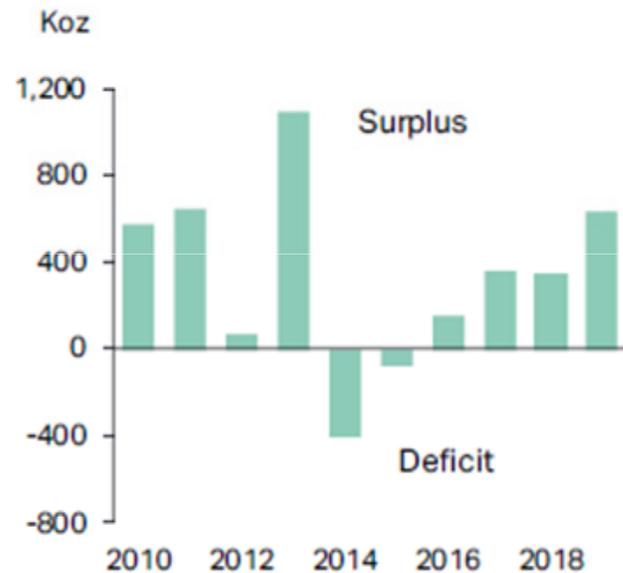
2019 PGM Market Outlook

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Pt Fundamentals – Bearish factors all around

Platinum Physical Surplus/ Deficit

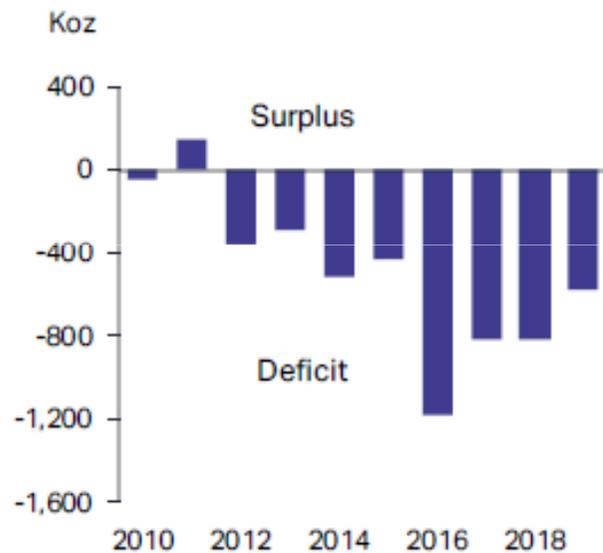


Source: Metals Focus, Platinum & Palladium Focus
2019

- Pt surplus 10.8 tons in 2018. 2019 it is expected to increase to 19.6 tons.
- Above ground stocks will add to 302 tons at the end of 2019 from 215 tons at the beginning of this decade.
- Automobile catalyst demand lose 2%.
- Jewelry demand decreases 3%.
- Physical investment ease by 15%.
- Mine output forecast to rise 3%.

Pd Fundamentals – Bullish factors all around

Palladium Physical Surplus/ Deficit



Source: Metals Focus, Platinum & Palladium Focus
2019

- Pd deficit 25.5t in 2018. 2019 it will be a little easier to be 17.9t.
- Above ground stock will decrease to 400t from 550t a decade ago.
- Autocatalyst demand to rise 3.6% to the record high of 267t.
- 2019 Pd Supply to increase by 4% to 314t.

Pt Price Outlook for 2019

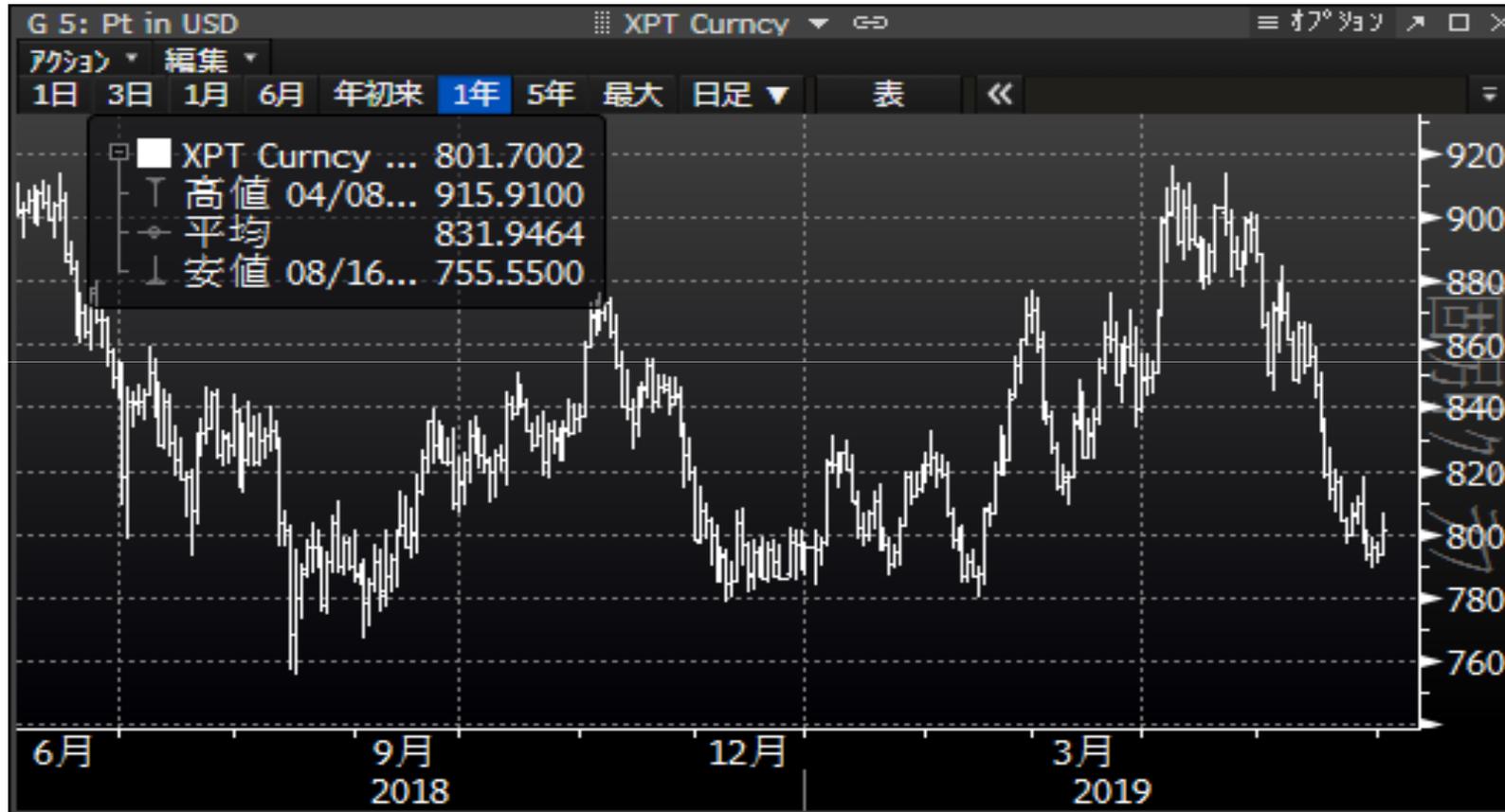


- No bright future for Pt surrounded by bearish factors. Pt will be heavy on top of \$900.
- However, the below \$780 level are not sustainable, simply too cheap for the production costs.
- If Pt has the chance to overcome \$900, it is when gold goes above \$1400. That might pull pt up.
- Platinum substitution of Pd might help but in reality there will be scarce chance for several reasons.
- As a result , 2019 range will be contained from \$770 to \$920.

Pd Price Outlook 2019



Platinum 1year



Palladium 1 year



Platinum, Palladium and Gold 5 years

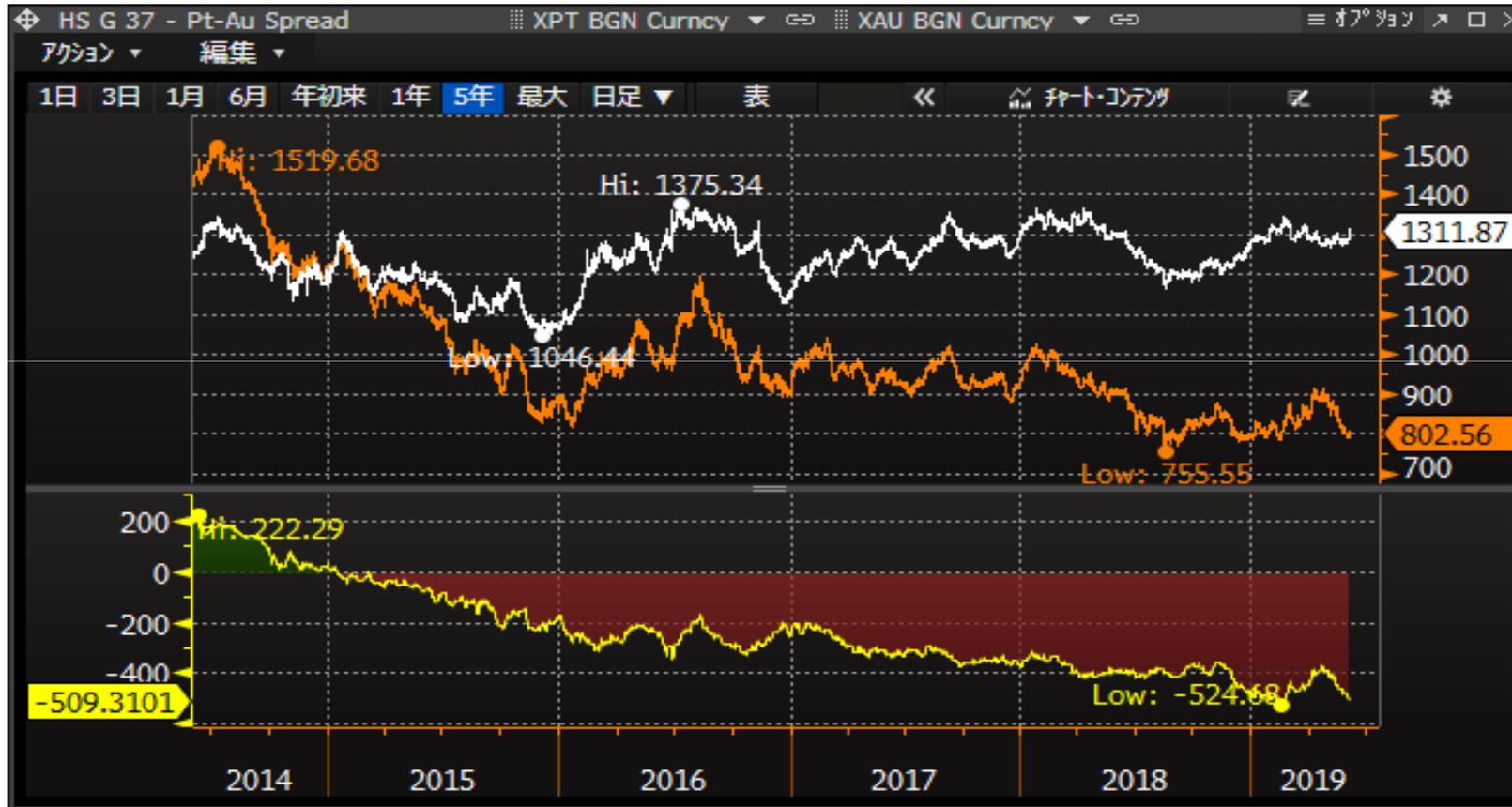
3rd ASIA PACIFIC
PRECIOUS METALS
CONFERENCE
9-11 June 2019
PARKROYAL on Beach Road, Singapore



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Platinum – Gold Spread



Pt/Pd Ratio

