Investor Update 3Q 2016





2016-2020 Value & Resilience

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In October 2015, the European Securities Markets Authority (ESMA) published the Guidelines on Alternative Performance Measures (APM), of mandatory application for the regulated information to be published from 3 July 2016. Information and disclosures related to APM used on the present Q3 2016 Results Earnings Release are included in Appendix V "Alternative Performance Measures" of the Interim Condensed Consolidated Financial Statements for the nine-month period ended 30 September 2016.





Company Overview

Company overview

3Q16 key messages

Driving for Cash Flow breakeven at \$40.

✓ UPSTREAM

- Operating Income positive for two quarters in a row.
- Production in line with the Strategic Plan.

DOWNSTREAM

- Major maintenance completed. Premium to indicator recaptured.
- Chemicals business continued its strong performance thanks to steady volumes and margins.
- **Commercial Businesses** contribution improved thanks to better sales in Service Stations.

✓ FINANCIALS

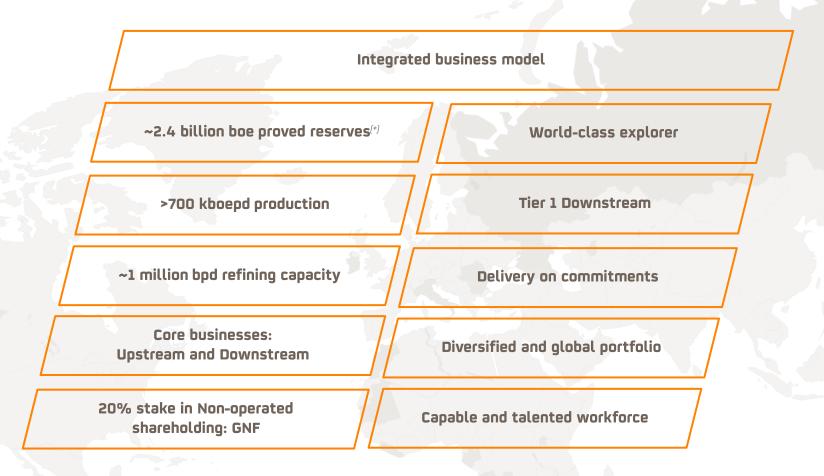
- Divestment program ahead of scheduled.
- Net debt below 10 Bn€.





Company overview

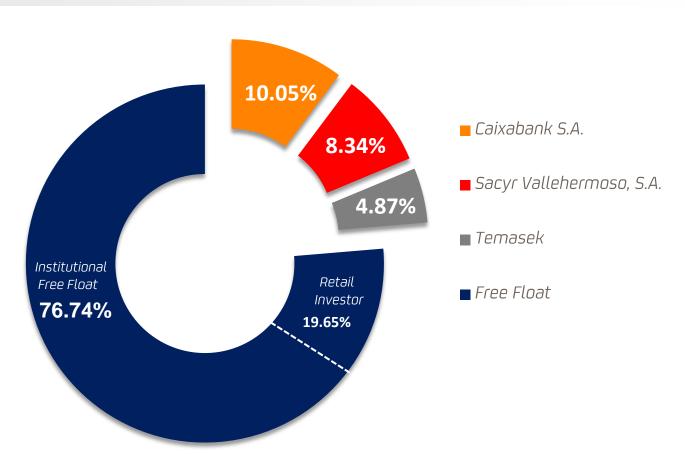
Repsol today - An integrated company operating across the entire value chain



Company overview



Repsol's shareholders



Total number of shares as of July 2016: 1,466 million





Value and resilence

VALUE

Shift from **growth to value delivery**

Commitment to sustainable shareholder compensation

RESILIENCE

Resilient top tier margins

Self-financing throughout volatile environment

FCF breakeven after dividends at \$40/bbl Brent⁽¹⁾

PORTFOLIO MANAGEMENT

Capex flexibility

[~46% Investment reduction vs. 2014] [2]

Creating value through portfolio management

(€6.2 B divestments: target of € 3.1 B in 2016-2017 period **(**⁽⁴⁾

EFFICIENCY

Synergies and company-wide Efficiency Program^[3]

€2.1 B/y savings target in 2018 > 50% target to be achieved in 2016

Sustainable value and resilience

^[1] Repsol released a FCF Breakeven at \$50/Bbl on strategic plan 2016-2020 presentation. FCF breakeven at \$40/bbl with the revised scenario.

⁽²⁾ Repsol released in 2015 full year results presentation an additional investment reduction for 2016-2017 period.

^[3] By the end of the third quarter projects have commenced that will secure approximately 98 per cent of savings target for 2016.

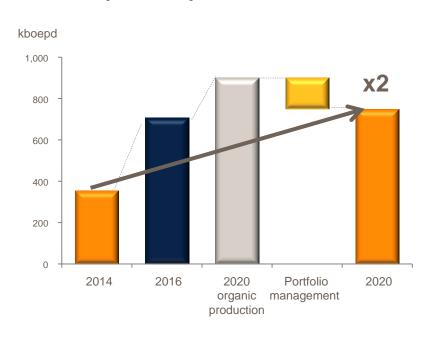
^[4] The 2016-2017 target has been already reached. As of September 2016, € 4.8B of divestments have been delivered.





Shift from growth to value

#Upstream production evolution #

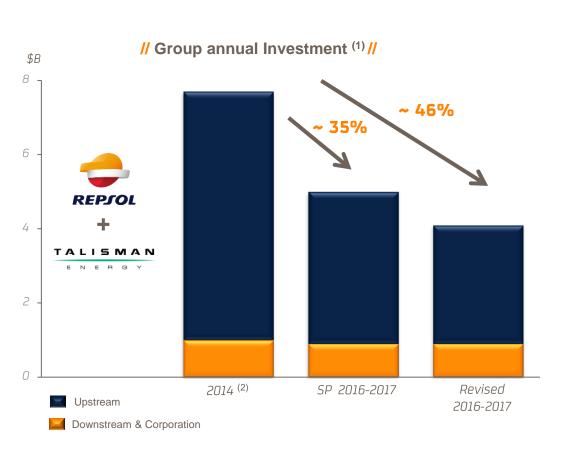


- Achieved critical mass in E&P business
- Extensive portfolio of assets and development projects
- Optionality to improve portfolio value by divestments

Achieving optimal size and portfolio mix



Additional Investment reduction for 2016 and 2017 around €1.8B



- Investment optimization and implementation of our efficiency measures.
- Low Downstream capital requirements.
- Deferring non-critical investment in development and producing assets.
- Keeping in 2016 our production level at around 700,000 barrels per day.

Repsol shows flexibility in this challenging environment

Investment does not include G&G and G&A from exploration.



Strict accountability on Efficiency Program

	Pre-tax (Pre-tax cash savings	
	<mark>//</mark> 2016 <mark>//</mark>	// 2018 //	
Synergies	€0.2 B	€0.3 B	
Upstream Opex & Capex efficiency	€0.6 B	€1.1 B	
Downstream profit improvement and efficiency	€0.2 B	€0.5 B	
Corporation right- sizing	€0.1 B	€0.2 B	
	€1.1 B	(*) €2.1 B	

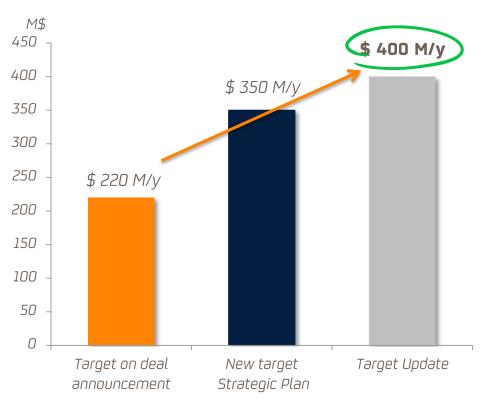
- Recurrent synergies target increased to 400M\$
- 98% of the run-rate target for 2016 synergies and 80 % of the planned synergies by 2020 already implemented.
- Upstream program ahead of schedule (700 efficiency initiatives identified)
- Downstream and Corporate on track.

More than 50% of the efficiency plus synergies target in 2018 to be achieved in 2016



Synergies from Talisman integration are already being delivered

// € 300M in 2016 of which 90% already captured //



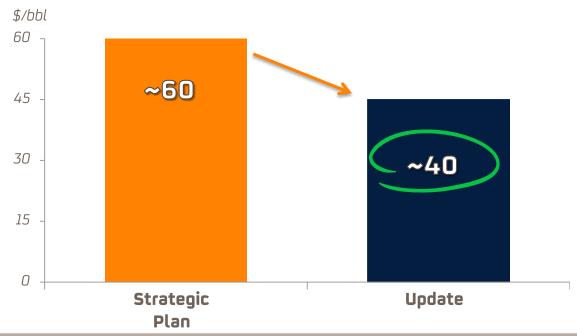
- **Finance:** repurchase of Talisman bonds and joint financial optimization
- People and Organization: workforce and contractor reduction from overlaps
- IT: application & infrastructure rationalization
- Exploration: highgrading of Talisman portfolio
- General services: joint insurance program

Repsol increases recurrent synergy target derived from Talisman Integration up to \$ 400 M pre-tax



Breakevens

// Group FCF breakeven after dividends and interests [2016-2017] //



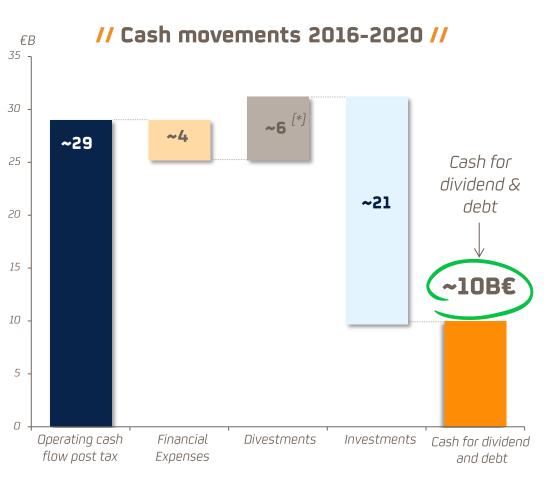
Resilience: \$40/bbl free cash flow breakeven after dividend and interests

Repsol's Base case is: Brent price of 40, 55, 65, 75 and 85 \$/bbl from 2016 to 2020 respectively, HH price of 2.6, 3.2, 3.7, 4.2, 4.8 \$/Mbtu from 2016 to 2020 respectively and Repsol refining margin indicator of 6.9 \$/bbl for 2016 and 6.4 \$/bbl from 2017 onwards.

^(*) Scenario used to estimate breakevens (Stress case): Brent price of 40 \$/bbl for 2016 – 2017, and 50 \$/bbl flat 2018 – 2020; HH price of \$2.6/Mbtu for 2016 – 2017, and 3.5 \$/Mbtu 2018 – 2020; Repsol refining margin indicator of 6.9 \$/bbl for 2016 and 6.4 \$/bbl from 2017 onwards. Breakeven does not include any proceeds from divestments, with the exception of the piped LPG sale already accomplished in 2015.



Self-financed Strategic Plan even under the stress scenario



(*) The 2017 target has been already reached. As of September 2016, €4.8B of divestments have been delivered

- Reduction of our investment budget in 2016
 below €4B
- Investment reduction for 2016 and 2017 around
 €1.8B
- Aceleration of efficiency and synergy target in
 2016 → €1.48
- Reduction of Group FCF breakeven to 40\$

Sensitivities (5 years accumulated)	FCF	Adj. Net Income
Brent +/- \$5/bbl -	€1.5B	€1.3B
	-€1.5B	-€1.3B
Henry Hub +/- \$0.5/Mbtu -	€0.8B	€0.6B
	-€0.8B	-€0.6B
Refining Margin +/- \$1/bbl -	€0.8B	€1.1B
	-€0.9B	-€1.1B



Progress of Strategic Plan

3

Progress of Strategic Plan



Strategic Commitments Follow up

Investment in 2016

- ✓ ↓ Exploration
- ✓ Deferral of non-critical investments
- ✓ Capture of sector wide deflation
- ✓ Re-visit on-going development projects



Efficiency & Synergies

- ✓ Target represents more than half of the 2018 objective:
 - ✓ Upstream: 9M16 achieved more than 50% of our full year objective.
 - ✓ Downstream: in line with our targets
 - ✓ Corporation: in line with our targets

Cash Neutrality break-even

- ✓ Investment reduction
- ✓ Opex efficiency targets
- ✓ Synergies capture



Progress of Strategic Plan



Strategic Commitments Follow up



	Target 2016	2016 Estimate
Synergies	0.2	0.3
Efficiencies	0.9	1.1
Total (B€)	1.1	1.4



	Target 16-17	'16 YTD
Repsol Investment (B€)	3.9	2.3



	Target 16-17	'16 YTD
Divestments (B€)	3.1	4.8 ^[1]
Production (kboed)	~700 [2]	694



	Target	'16 YTD
CF Neutrality BE (\$/boe)	~40	46
E&P FCF BE (\$/boe) ^[3]	~65	62

[1] Includes agreed transactions and other operations.



	Target	Actual
Investment Grade	Maintain	Maintain

Progress of Strategic Plan



Portfolio management







- Around €1.9bn of proceeds.
- The capital gain that this disposition generates is approximately 246 million euros.









CLH



- We sold our stake in CLH for 325 million Euros
- Around 300 million Euros of capital gains



Piped LPG



Peru & Ecuador LPG



Alaska dilution

Sale of the Piped LPG business for 788 M€

- Generating an estimated pre-tax capital gain of ~470 M€
- Will be cashed-in mostly in 2016. Capital gains also to be booked mainly in 2016

Sale LPG businesses in Peru and Ecuador

- Agreement with Abastible company totalling 335 million dollars transaction
- A multiple of approximately 8 times EBITDA

Agreement with our partner Armstrong to dilute our position in North Slope

Positive impact on our cash flow of around 700 million Euros



E.F. Gudrun

Eagle Ford divestment and acquisition of Norwegian producing assets

Significant improvement in the cash flow generation in 2015-2017

Transfer of our 60 per cent stake in the Yme field to OKEA

Improvement of operations thorough the nomination of a single operator



Yme

Saving 200 million euros of decommissioning costs in the 2016-2020 period



TLM **Bonds**

Repsol amortizes part of TLM's debt and reduces its financing costs by >80M\$/year

- Repsol amortizes TLM bonds in the amount of approximately 2.7 billion dollars
- Total capital gain of approximately 300 M\$ pre tax



Upstream

4,



3 core regions in the portfolio



North America: Growth

Production 2016: ~187 kboepd

Operatorship: ~79%

Gas production (2016): 71%

- Unconventional portfolio
- Operatorship

• Valuable midstream positions

Latin America: FCF

Production 2016: ~304 kboepd

Operatorship: ~20%

Gas production (2016): **70%**

- Regional scale
- Exploration track record
- Cultural fit

Main Figures

Current Production

~ 700 Kboepd

• 1P Reserves (*)

2,373 MMboe

SouthEast Asia: FCF & Growth

Production 2016: ~102 kboepd

Operatorship: ~37%

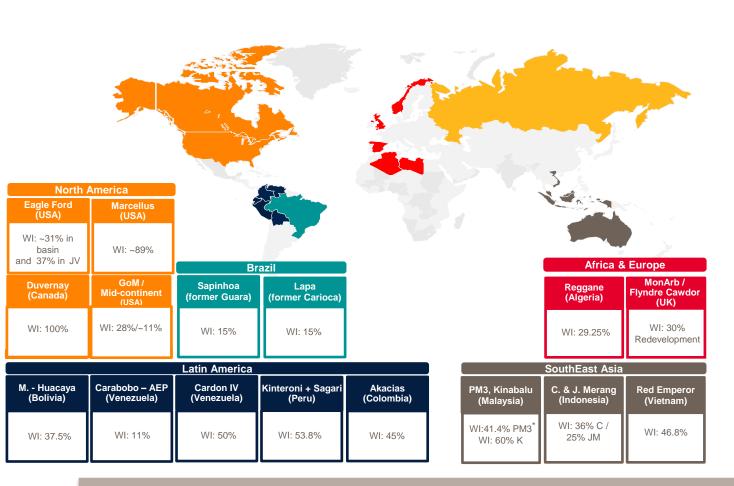
Gas production (2016): **77%**

- Self-financed growth
- Relationship with governments/NOCs
- High potential exploration blocks

NOTE: Europe, Africa & Brazil ~ 112 kboepd (*) As at 31/12/2015



An extensive pipeline of organic opportunities



// Exploration //

Contingent resources

- Unconventional North America
- Brazil: Campos-33, Sagitario
- · Russia: Karabashkv
- Colombia: CPO9 & Niscota
- · Alaska: Colville High
- GOM: Leon
- Indonesia: Sakakemang
- Vietnam: Red Emperor extension
- Kurdistan
- PNG: PDL10

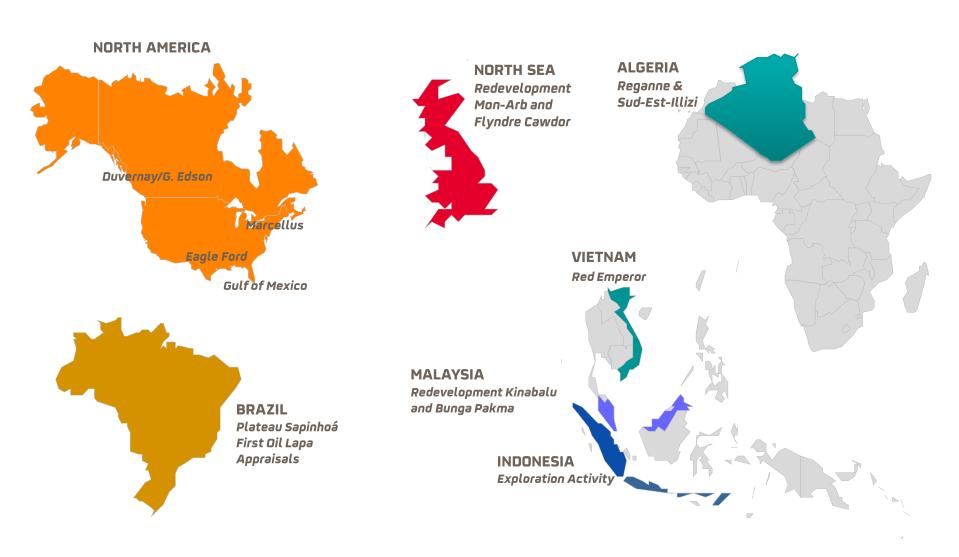
Prospective resources

- Brazil: Santos Basin & Espirito Santo
- Colombia: RC11, RC12 & Tayrona
- · Unconventional North America
- GOM
- Peru
- Guyana
- · Angola
- Romania
- Portugal
- Norway
- Indonesia
- Malaysia
- Vietnam
- PNG
- Bulgaria

"As is" organic portfolio potential of more than 900 kboepd



Projects activity in 2016





Operational activity. Development projects

Brazil: Sapinhoá & Lapa

- Sapinhoá: Plateau reached in second half of 2016
- Lapa: First oil is expected in 4Q16 (ahead of schedule).

UK: MonArb & Flyndre/Cawdor

First oil expected in the first half of 2017

Malaysia: Bunga Pakma & Kinabalu

First production projected for 2018 and 2019 respectively

Vietnam: Red Emperor

- Project taken advantage of falling industry costs
- First production is planned for end of 2019

USA: Marcellus

- Higher production YoY.
- Cash breakeven close to \$2/Mbtu
- Cash generative at current prices

Peru: Kinteroni & Sagari

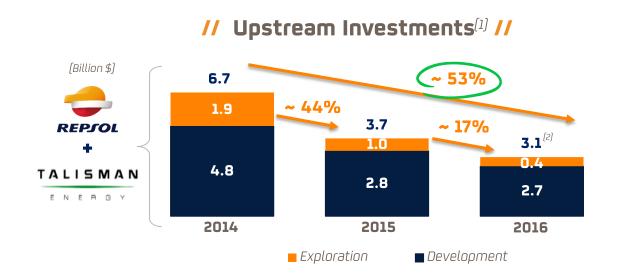
- Production from **Kinteroni** increased in April to 160 million square cubic feet of gas per day
- In Sagari first gas planned for 2018.

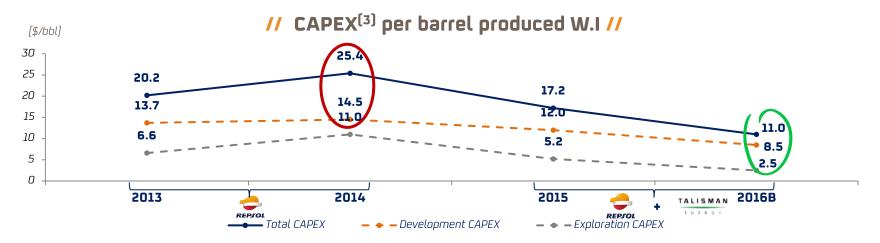
T&T: Juniper

- Start-up is planned for 2017.
- This offshore shallow water project will reach peak production of 95 Kboed (Repsol owns 30%)



Portfolio management: Flexibility to optimize capital allocation





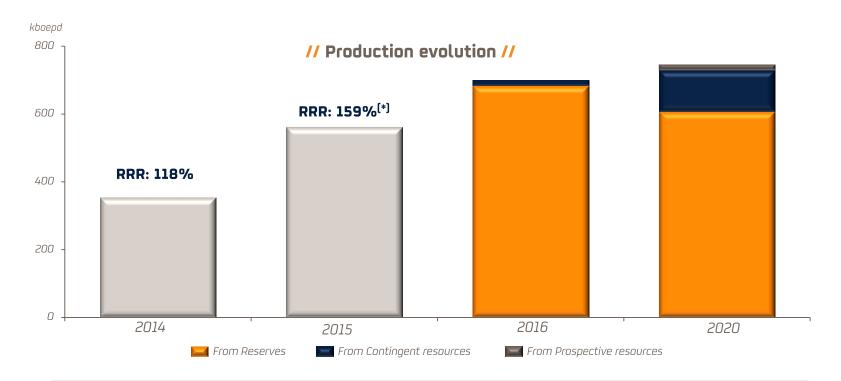
^[1] Investment <u>excluding</u> G&G and G&A from exploration and including efficiencies

^[3] CAPEX including G&G and G&A from exploration and including efficiencies



Portfolio management: Capex

Capex optimization will have no impact on production because of the previous investment cycle from Repsol's legacy assets (Average RRR 2011-2013: 214 %)



Production delivered from current reserves and resources



E&P Cost Efficiency Program

// Levers //

Business units (Opex & Operational Capex)

- Technical standardization
- Operational uptime increase
- Procurement & logistics optimization
- Organizational right-sizing

Large capital projects

- Post -FID projects: Efficiency gains, scope challenge
- Pre-FID projects: Lean and cost-efficient engineering and supply chain design, collaborative approach with contractors, integrated project execution, ...

Exploration & drilling

- Simplification of geological targets, coring, testing
- Well design standardization
- Planning and execution efficiencies
- Procurement & logistics optimization
- Organizational right-sizing

Support functions

- Ongoing analisis of added value for every task
- Organization right-sizing
- Optimize support functions

€1.1 B/y savings by 2018





~€0.5 B/y Opex

More than 50% of the efficiency target in 2018 to be achieved in 2016 ~€0.6 B/y savings by 2016.



Examples of improvements in Talisman legacy assets

UK

Improved Recovery Factor:

 Develop a prioritized inventory of qualifying capital projects to be used in the asset strategy definition

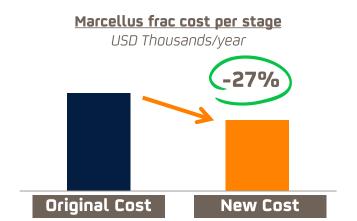
Improved Operational Efficiency:

- Contribute to the stretch objective of TSEUK producing >50kboe/d, with significant improvement in the per barrel profitability.
- Optimize Capex and Opex.



MARCELLUS

Marcellus Fracking pricing:



Marcellus commercialization:

- Practice of selling excess capacity has been replaced with purchase of gas from 3rd parties, leveraging Repsol Trading capabilities in North America.
- Lower effective transport cost through positive net revenues from buy/sell margins, underpinning business profitability.



Downstream

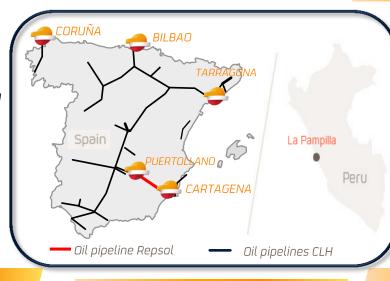


Sustainable cash flow generator

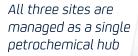


Refining

- ~1 million barrels of refining capacity per day.
- Top quartile position among European peers along the cycle.
- 63 % FCC equivalent.
- 5 refineries optimized as a single operation system.



Petrochemicals





- Chemical sites and crackers strategically located to supply Southern Europe and Mediterranean markets.
- Logistic flexibility to enhance competitive feedstock imports at Tarragona and Sines.

Marketing

- 4,716 service stations throughout Spain, Portugal, Peru, and Italy.
- 3,585 service stations in Spain → 70% have a strong link to the company and 29% directly managed.
- Marketing activity also includes other sales channels and the marketing of a wide range of products, including aviation fuels, lubricants, asphalts, base oils, paraffin and derivatives.

LPG

- One of the leading retail distributors of LPG in the world, ranking first in Spain and is of the leading companies in Portugal.
- We distribute LPG in bottles, in bulk and AutoGas.
- Bottled LPG sales, through a network of 212 distribution agencies, accounted for over 62% of total retail sales of LPG in Spain in 2015.

Trading and G&P

- G&P: transportation, marketing, trading and regasification of liquefied natural gas.
- Trading & Transport: trading and supply of crude oil and products





Downstream to provide sustainable value

Maximize performance

 Taking advantage of the integration between refining and marketing businesses with focus on reliability

Capital discipline

- Discipline in capital allocation
- Divestments of non-core assets for value creation

Margin improvement & Efficiency Program

- Optimizing integrated margin across businesses
- Strong focus on reducing energy cost and CO₂ emissions

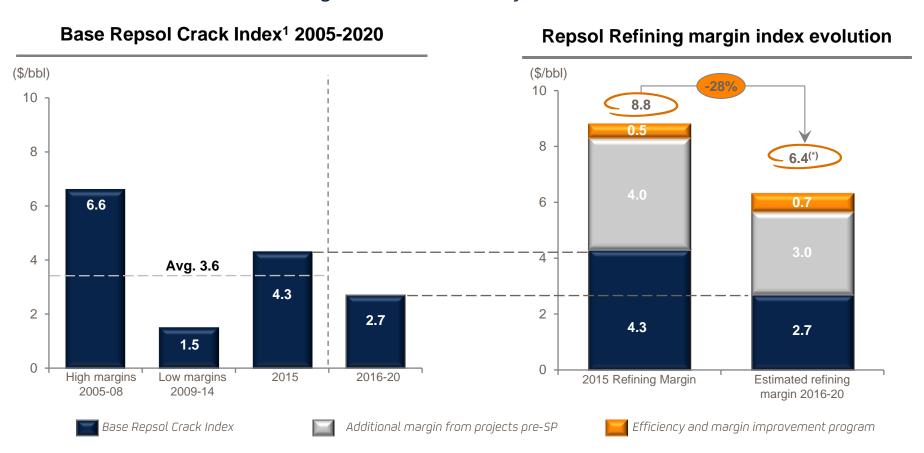
Objective to generate FCF ~ €1.7 B/y (average 2016-2020)



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Repsol's refining margin indicator evolution

Margins back to a mid cycle scenario



¹ Without taking into account margin from projects and efficiency improvement program

Note: Since the start up of the Bilbao and Cartagena projects, the premium went up from 1.6\$/bbl in 2012 to 2.8\$/bbl in 2014 and 4.3\$/bbl in the first three quarters of 2015

[*] 2016 Budget assumption : 6.9 \$/bbl



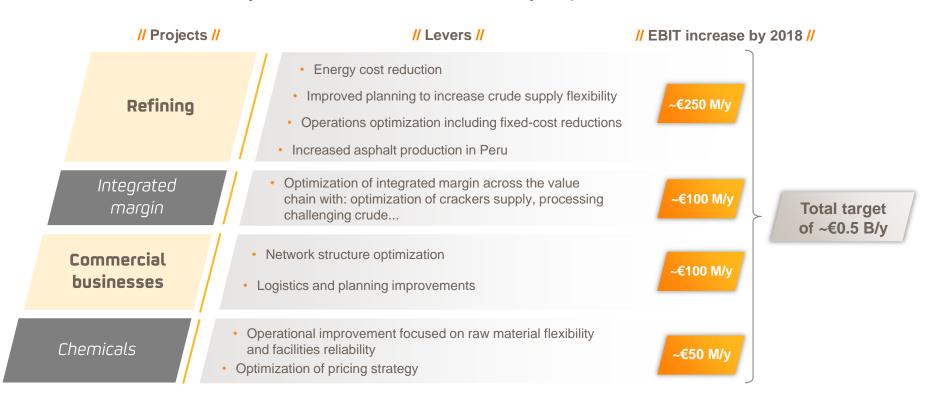
Fundamentals support sustained Repsol refining margins

	Lower Opex ✓ Lower oil and gas prices
\ 	Growing refined ✓ Average demand growth of 1.2% for 2016-2020 on top of strong 2015 demand ✓ Spain fuels demand growth at 4% in 2015
	European refineries at high ✓ Lower EU effective capacity due to low maintenance activity in recent years
	utilization of effective capacity ✓ Low Brent-WTI and NBP-HH gaps and low \$/€ exchange rate
	2011 21011 1111 and 1121 1111 gape and 1011 que extendinge talls
	Restarts unlikely in EU ✓ Restarts unlikely due to required investment in working capital and fixed costs with long-term uncertainties remaining for less competitive refineries in EU
	Refining project delays and cancellations due to stressed cash position of integrated companies and NOCs
-	
	Demand vs. effective capacity tighter than previous years ✓ Capacity additions offset by growing demand
	Light-Heavy differentials ✓ Marpol (1) increases diesel demand, while lowering fuel oil demand and price ✓ Large increase in production of heavy crudes



Downstream efficiency and margin improvement program

~€0.5 B/y from Downstream efficiency improvement in 2018



Downstream efficiency program on track: ~€0.2 B/y savings by 2016



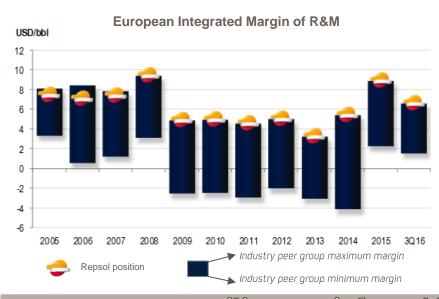
2016-2020 Downstream strategy

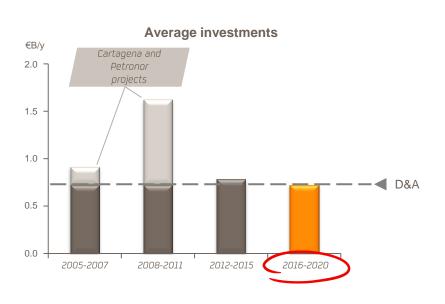
Maximizing value and cash generation leveraged on fully invested assets

// Sustainable value from quality assets //

Repsol in leading position among european peers

// Investment discipline //





Downstream resilience reinforced by commercial business integration with industrial businesses

Note: Integrated R&M margin calculated as CCS/LIFO-Adjusted operating profit from the R&M segment divided by the total volume of crude processed (excludes petrochemicals business) of a 9-member peer aroup.

Based on annual reports and Repsol's estimates. Source: Company filings.

gasNatural fenosa

Gas Natural Fenosa



Gas Natural Fenosa



Strong profitability with long term vision

20% of valuable stake in a leading gas & power company

Stable dividend with growth potential (*)

Strong profitability performance (well above wacc and not linked to oil price)

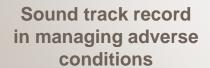
Provides strategic optionality for stronger role of gas and renewables in energy mix

Liquid investment that provides financial optionality





Financial Strategic Plan 2016-2020



Resilient Plan with stronger business profile

Conservative financial policy







Commitment to reduce debt and maintain investment grade

The three Rating Agencies, Standard & Poor's, Moody's and Fitch, confirmed and maintained our ratings, BBB-, Baa2 and BBB respectively.

Commitment to maintain shareholder compensation in line with current company level



Business Resilience

// Despite the challenging environment Repsol's EBITDA has remain unchanged//

Brent price (\$/bbl)

Average Average 9M2015 9M2016 55.3 41.9

Refining margin (\$/bbl) Average 9M2015 8.9

Average 9M2016 6.0

Repsol's performance in 2016 better than its Peers thanks to:

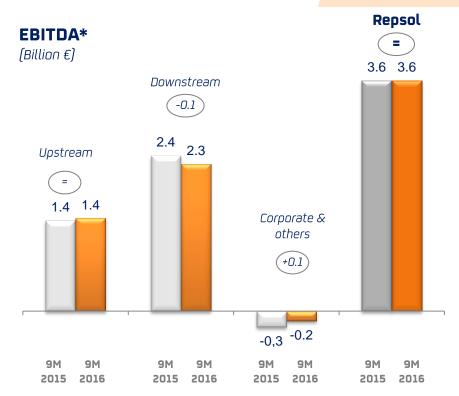
Upstream: Lower cash breakeven

Downstream: Higher integrated refining

margin

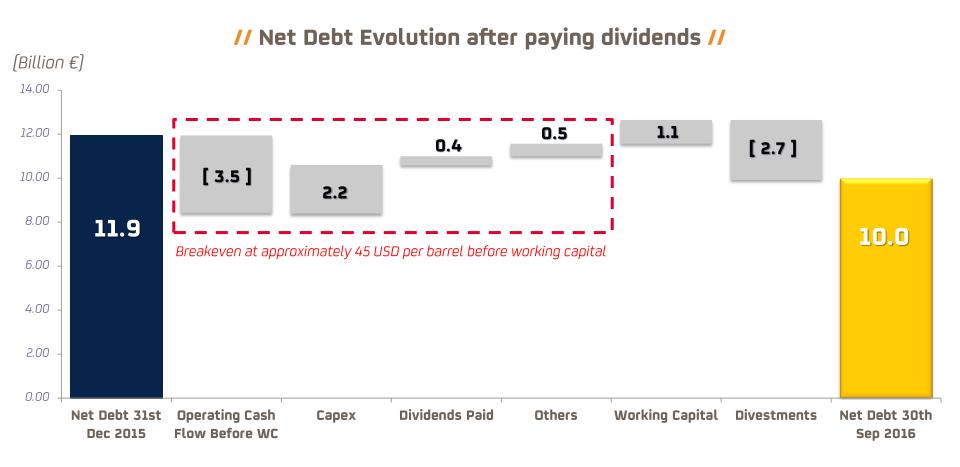
Group FCF breakeven after dividend and

interest reduced from 60\$/bbl to 40\$/bbl





9M2016 Net Debt evolution



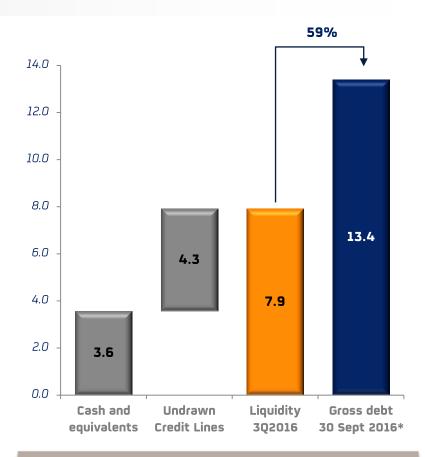


Sources of liquidity as of 30th Sep 2016

(Million €)	
Cash and Equivalents	3,572
Total Unused Committed Credit Lines	4,347
Total Liquidity Available	7,919

(Million €)	Structural	Operating	TOTAL
Committed Credit Lines	3,909	618	4,527
Used		[180]	(180)
0360		(100)	(100)
Available	3,909	438	4,347
	90%	10%	100%

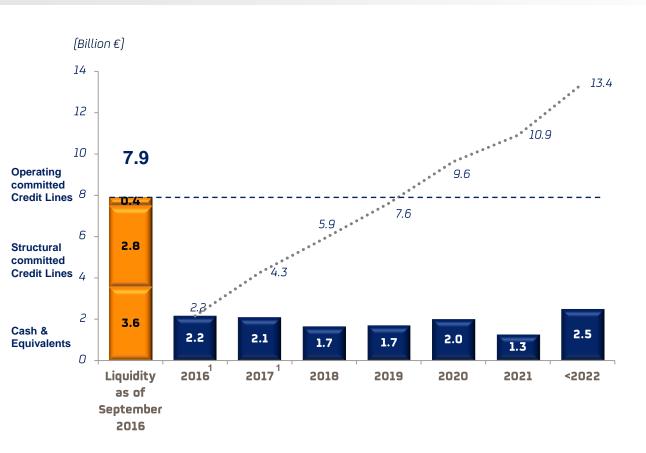
Available Structural credit lines represent 90% from total committed credit lines

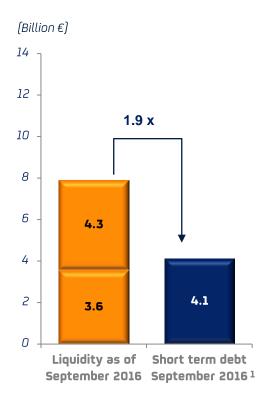


Strong liquidity position represents 59% gross debt



Strong liquidity coverage





Liquidity covers long term debt maturities beyond 2019

Liquidity exceeds 1.9x short term maturities

^{1.} Excluding interest and derivatives € 0.24 billion.



Delivery of Commitments



Maintenance of investment grade is fundamental to our long term strategy



2016 Outlook



2016 Outlook



- ✓ **Divestment program** progressing ahead of schedule, transactions worth **~€5 billion** announced since start of strategic plan.
- ✓ Efficiency and Synergy project set to deliver €1.4 billion in benefits in 2016.
 - ✓ Savings are being delivered faster than originally expected
 - On track to deliver on longer term strategic targets
- ✓ Significant reduction in **Net Debt** by end 3Q, business is cashflow breakeven at **~\$45** per barrel
- ✓ **Upstream** business profitable at the operating level through the last 2 quarters
 - ✓ Capex optimization and cost control on track for full year delivery
 - ✓ Production volumes in line with Strategic Plan at ~700,000 barrels per day average for 2016.
- ✓ **Downstream** forecasted to deliver ~€3 billion free cash flow in 2016
 - ✓ Return to strong margins so far in 4Q
 - ✓ **Refining**, major **maintenance** program for 2016 **completed**, indicator premiums recaptured

Investor Update 3Q 2016





2016-2020 Value & Resilience