



**Seminário sobre Aumento do Fator de
Recuperação no Brasil**

PROGRAMA

23 e 24 de março de 2017

Hotel Prodigy – Santos Dumont, Salão Corcovado - Av. Alm. Silvio de Noronha, 365 - Centro, Rio de Janeiro

Enhancing Recovery Factor As an Investment Proposition

Renato Bertani
CEO – Barra Energia



Rigorous Capital Discipline
Best Science Approach
Highest Ethical Standards

- Private Equity vehicle
- Experienced and capable team
- Initial capital commitment of US\$ 1.2bn
- Target high growth opportunities in proven petroleum basins
- Position as one of few mid-cap Brazilian independent E&P companies

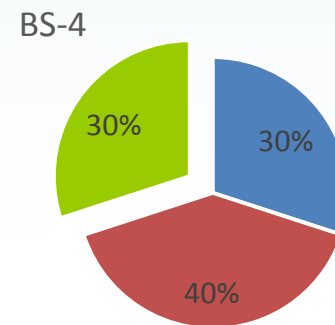
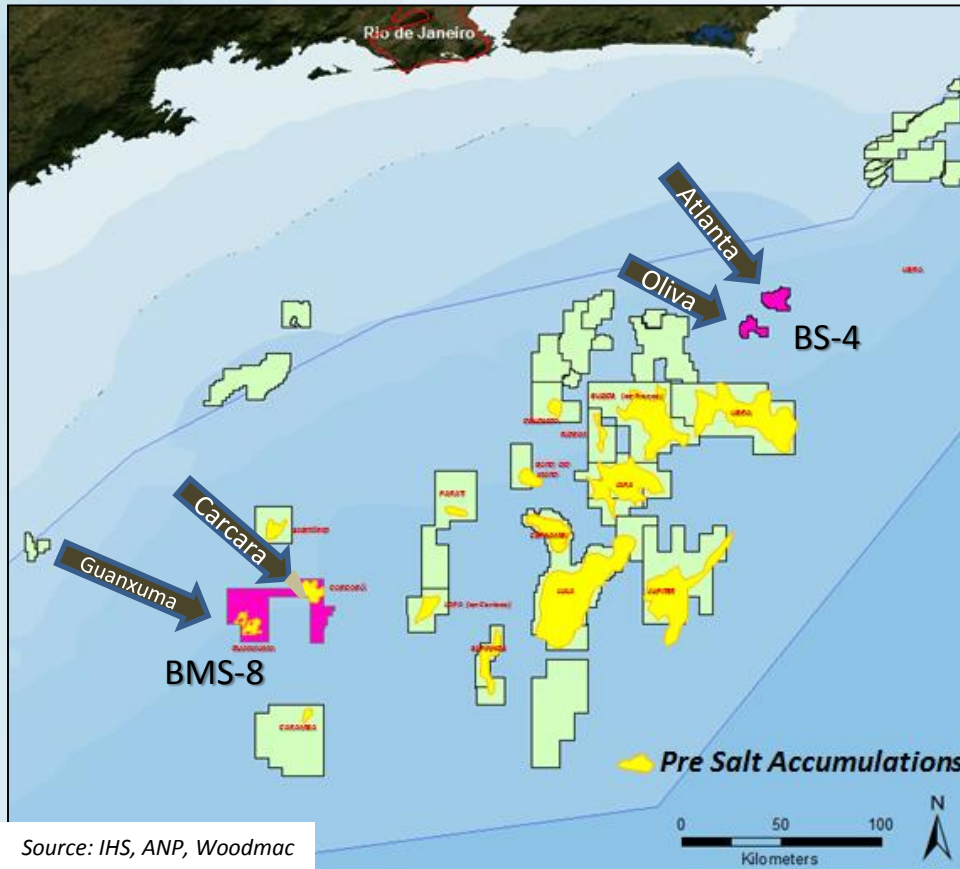
PE Investors are not averse to reservoir risk

Overview of Barra's Assets

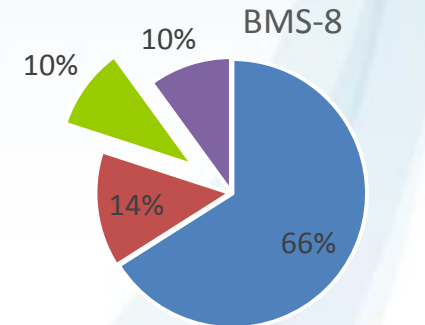
Summary

- Positioned in niche opportunities
- Non operated interest in two ultra deepwater Santos Basin blocks

Block	Working Interest	Acquired From	Acquisition Agreement Reached	Acquisition Approved by ANP
BM-S-8	10%	Shell	Jul '11	Dec '11
BS-4	10%	Shell	Aug '11	Dec '11
	20%	Chevron	Aug '11	Feb'12



■ QGEP ■ OGP
■ Barra

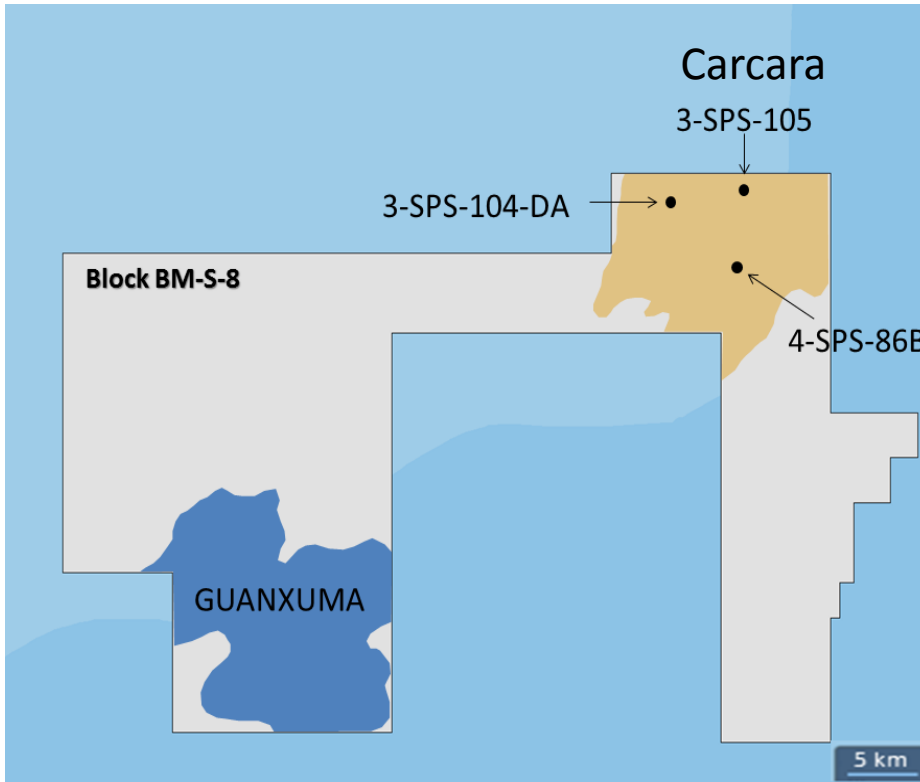


■ Statoil ■ Galp
■ Barra ■ QGEP

PE Investors expect commensurate returns

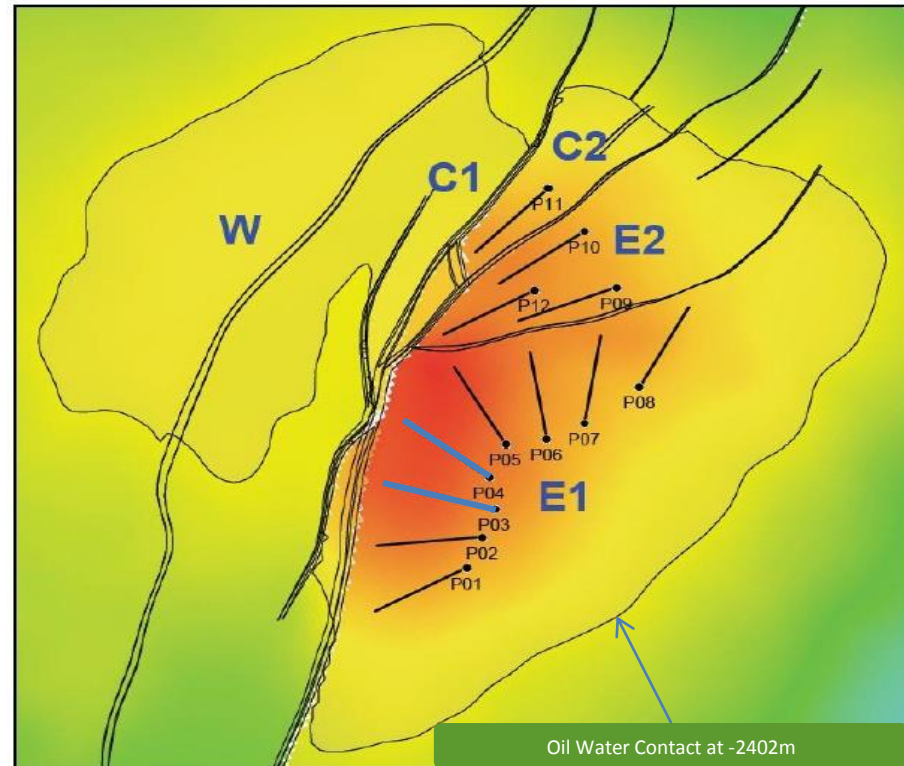
BMS-8

- Carcara World Class Pre-Salt Discovery
 - 300m-400m continuous reservoir
 - No oil/water contact
 - DSTs established huge well productivity
- Significant Pre-Salt Upsides

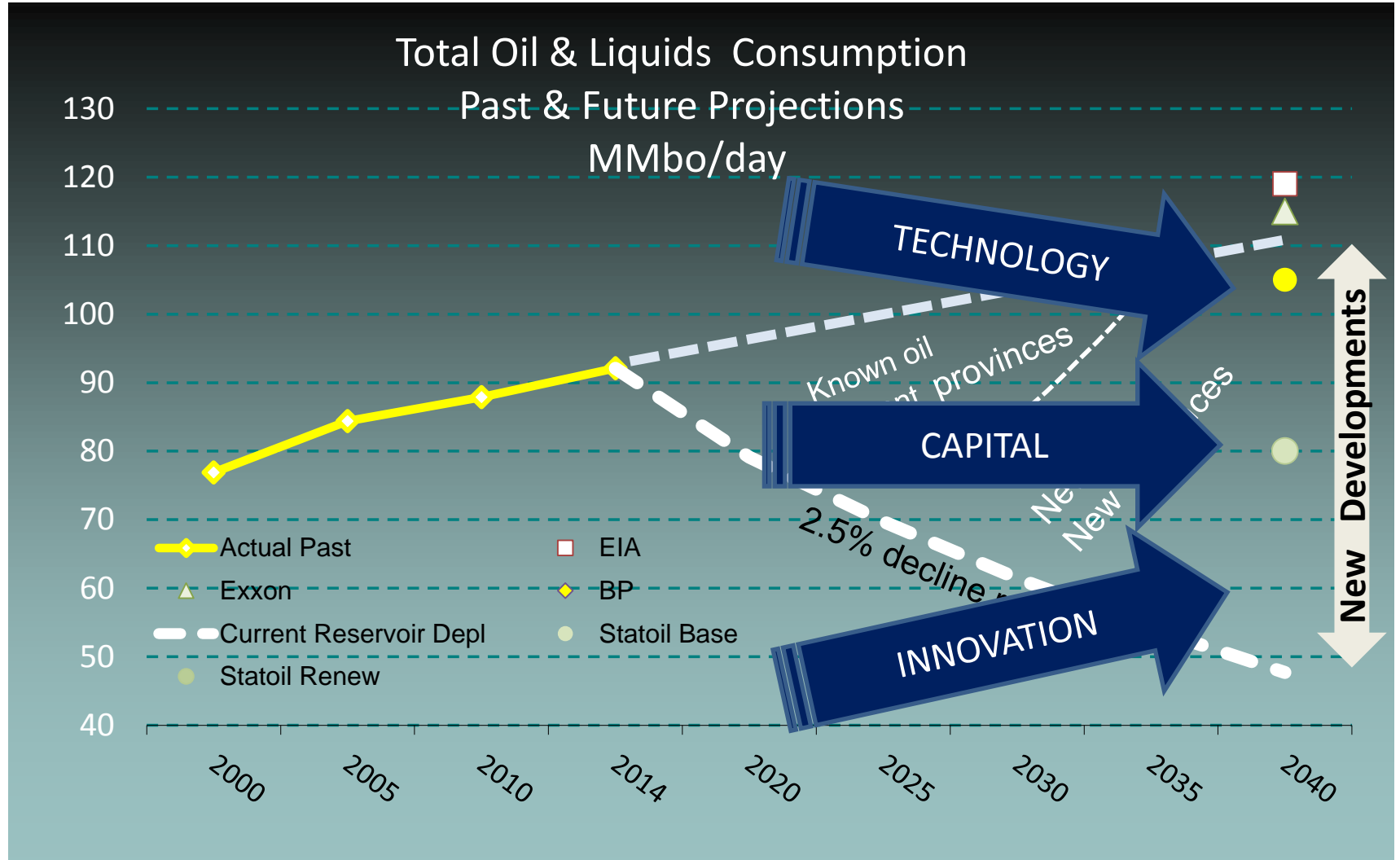


BS-4

- Atlanta Field Development
 - Horizontal well drilling de-risked
 - Two wells tested, completed
 - Phase One first oil late 2017
 - Pre salt upsides



Meeting Global Demand - Future



Enhancing Recovery Factor Is an Investment Proposition

- RF Enhancement requires deployment of technical and capital resources, and it carries typical market and reservoir risks;
- In order to attract investments these projects must remunerate the capital and the risks associated;
- In order to generate **commensurate** returns for both investors and society and optimize value creation, certain regulatory principles are essential:
 - Taxation on profits rather than investments
 - Taxation on profits rather than revenues (case for royalty reduction/deferral)
 - Eliminate/mitigate burdens on capital deployment
 - Visibility on life of project for as long as it is profitable
 - Expedite asset transaction and create market liquidity of RF assets.