

**RENOVA**  
ENERGIA

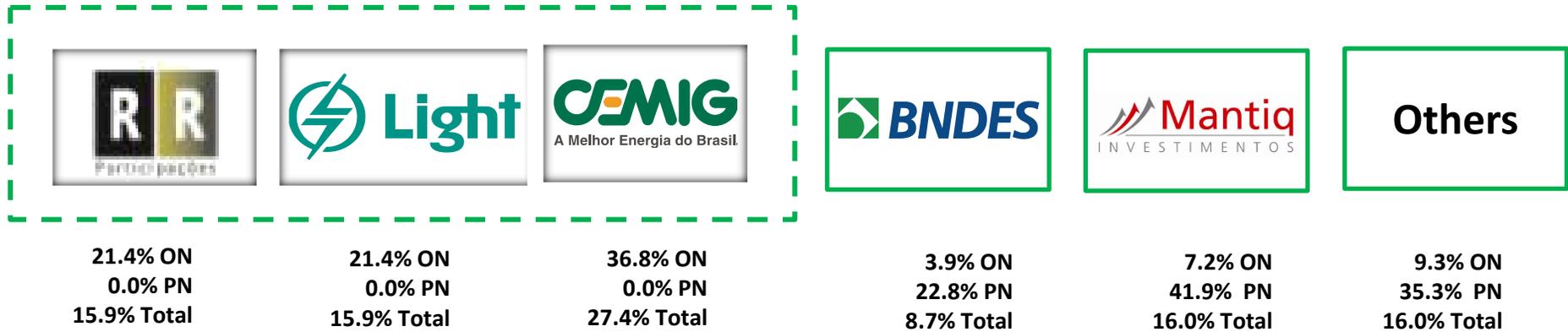


**Institutional Presentation**

# About Renova

## Shareholders' Structure with solid Corporate Governance

### Controlling Shareholders



**Decisions unanimously**

### Board & Committees Composition

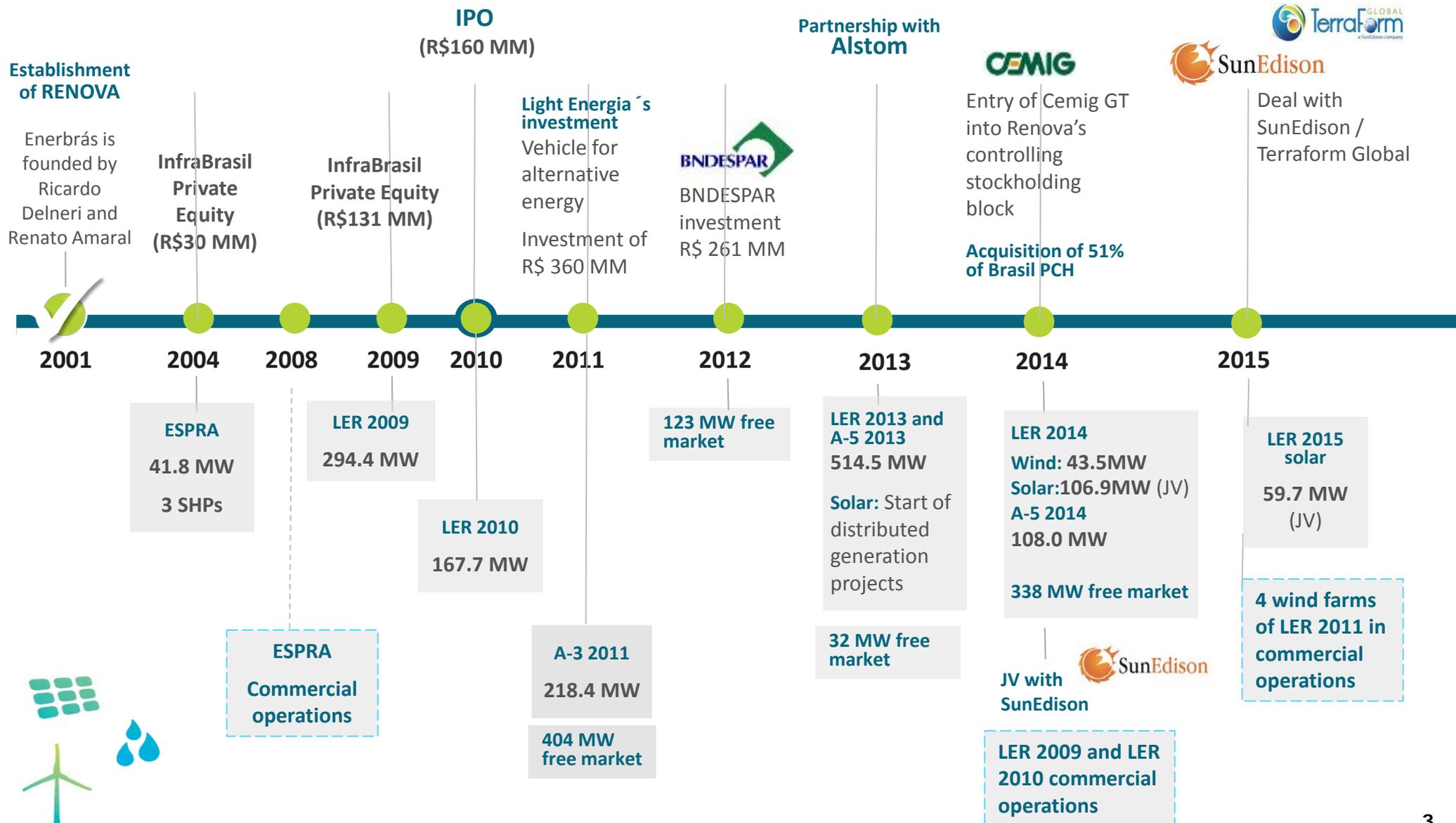
	RR	Light	Cemig
<b>BOARD (3)</b>	2	2	2
<u>Committees</u>			
Management	2	2	2
Audit e Compliance	2	2	2
Finance	2	2	2
Talent & Compensation	2	2	2
Pipeline Development	2	2	2
Engineering & Operations	2	2	2

### Unmatched Shareholders' Base

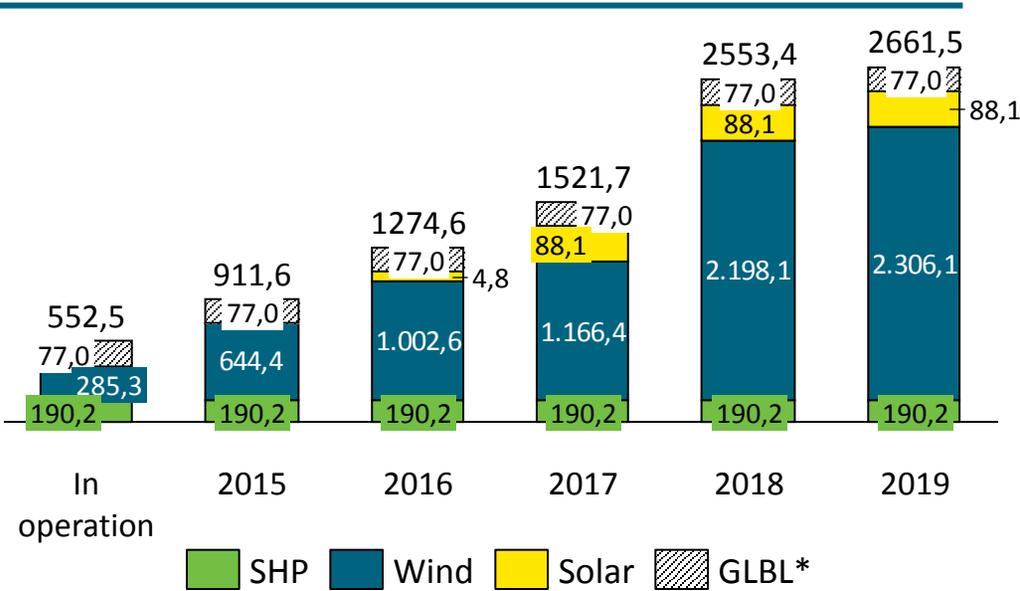


\* The Board of Directors have a total of 9 members, of which 2 are independent.

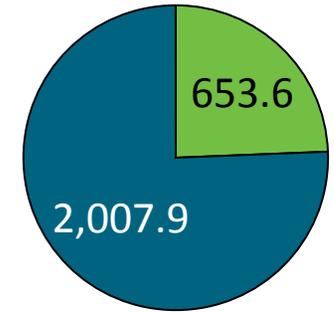
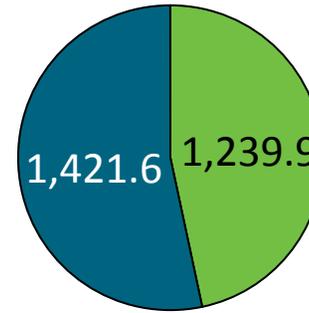
## Successful track record of project sourcing, structuring, implementation and operation of renewable energy projects



## Installed Capacity (MW)

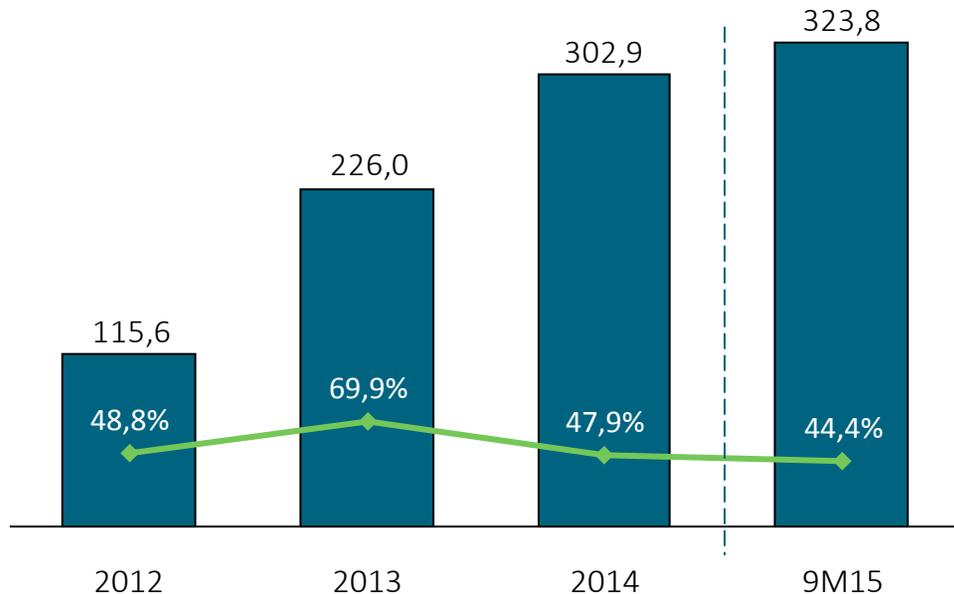


## Installed Capacity (MW) – Operational Status and Market

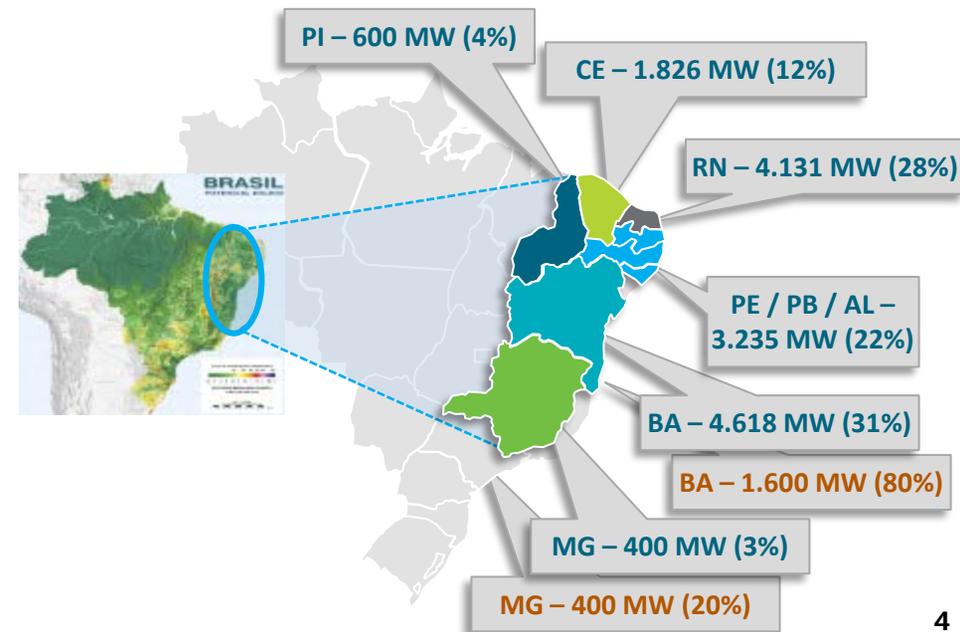


## Net Revenues and EBITDA Margin

(R\$ MM)



## Additional pipeline of 16,8 GW (wind and solar)





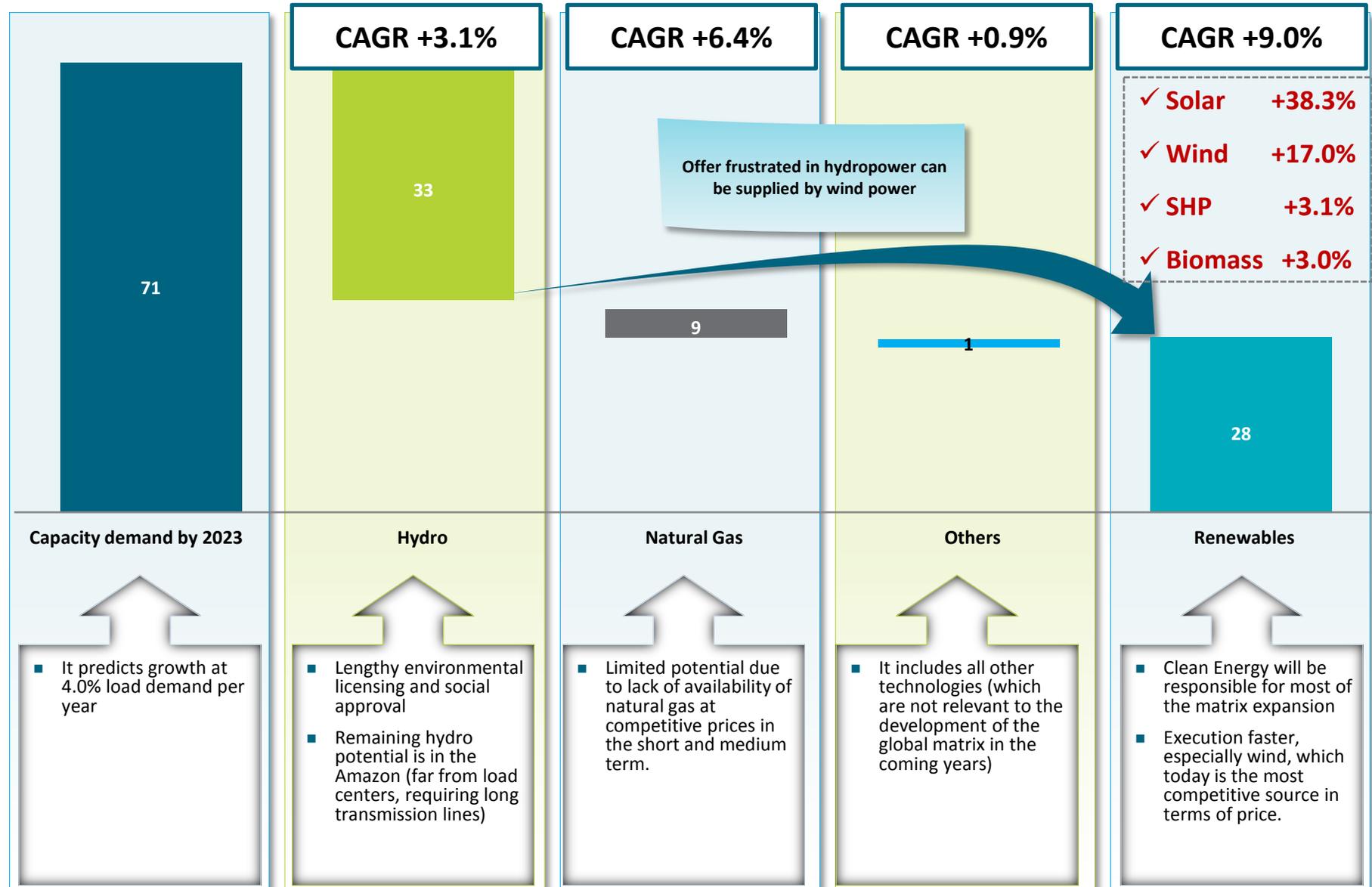
## Sector Overview

# Sector Overview

## Strong Demand to be Covered by Renewables

### New Energy demand in Brazil (GW)

Assumptions → PIB do Brasil CAGR +3,8%.



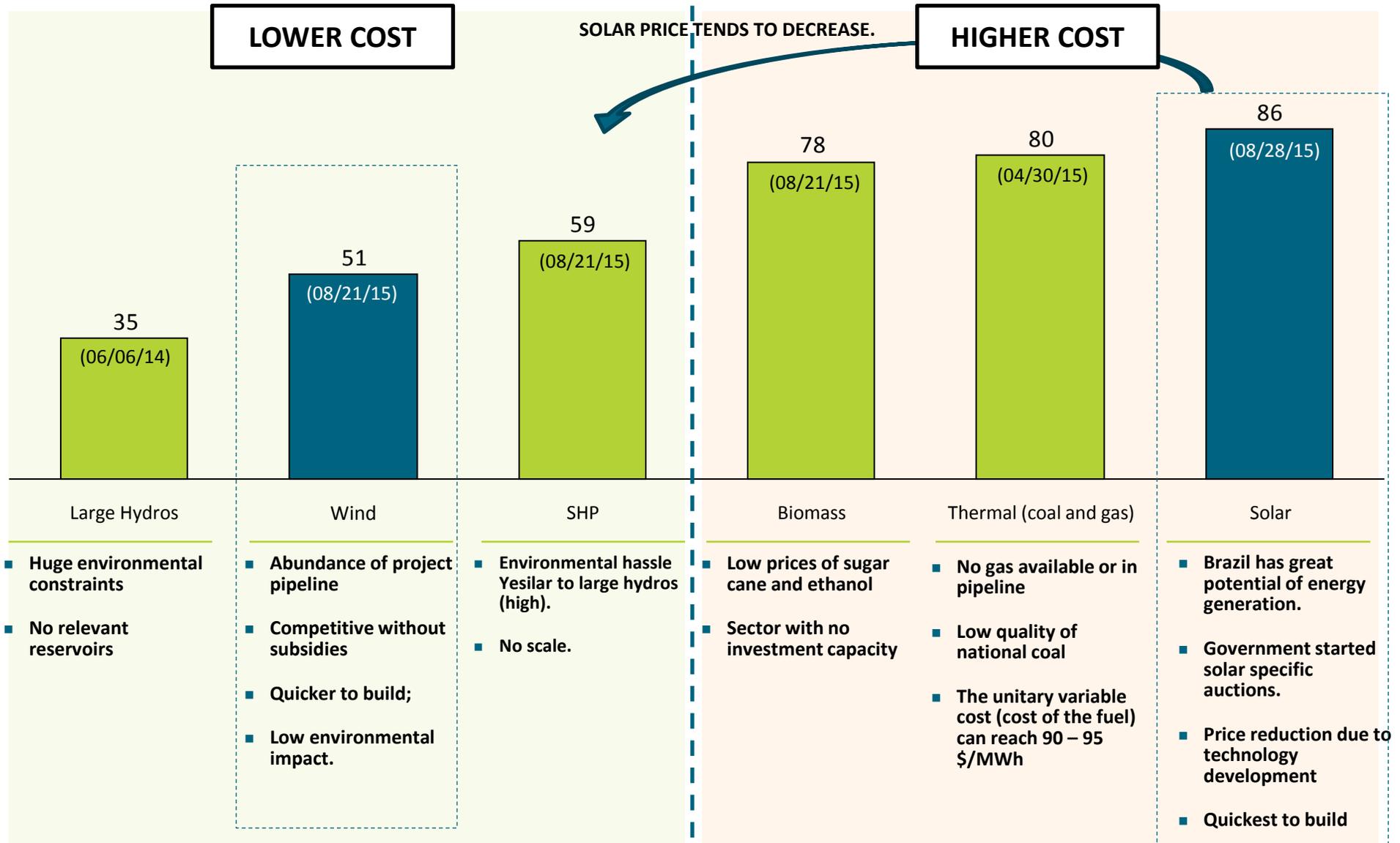
# Sector Overview

## Competitiveness of energy sources in Brazil's market

Among renewable sources the highlights are wind and solar and both are focus of Renova's scope.

### 2014 Action's Average Price

USD / MWh Exchange Real-Dolar = R\$ 3,50



### Maximize Capacity



#### Goal

The model with subsidy seeks to maximize energy generation (MW or MWh) to develop the market



### Minimize Cost



#### Goal

The current Brazilian model aims to minimize costs (R\$/MWh) in a model oriented to competition



### European Wind Farms



- Oriented layouts to maximize capacity
- Turbines placed in good and average winds
- Lower average load factor

### Brazilian Wind Farms

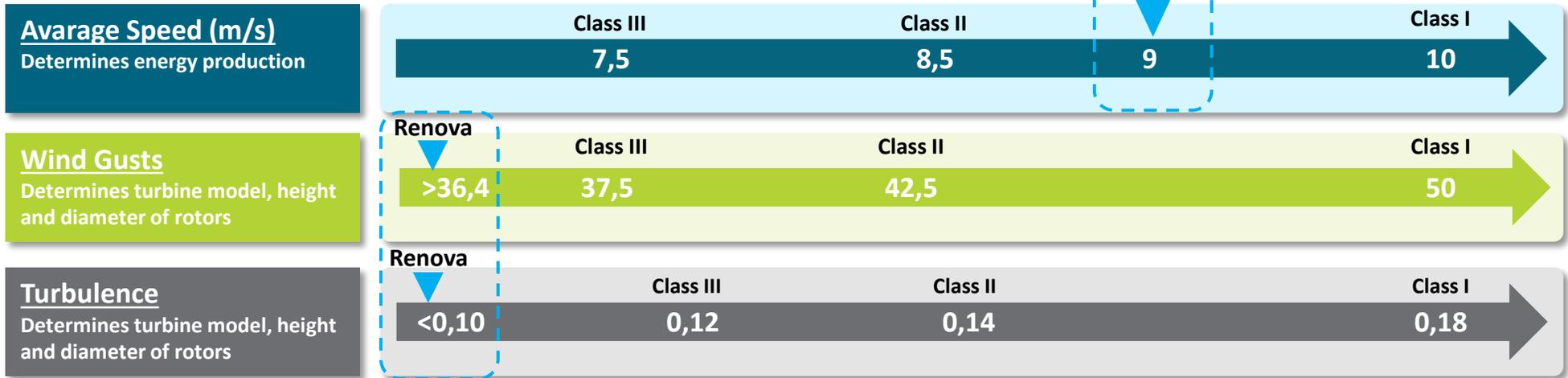


- Turbines placed only in excellent winds
- Turbines in line side-by-side on hilltops
- Minimum Wake/treadmill effects
- Higher average load factors / Lower cost of energy

Large rotor for fast winds, because lack of turbulence and Wind gusts

### WTG's Classes According to IEC 614000-1 (2005)

(GW)



### Low Turbulence and Gusts: Larger Rotor



$$\text{Energy} = \text{Air density} * (\text{Rotor Diameter})^2 * (\text{Wind Speed})^3$$

Energy is directly related to speed and rotor diameter

#### Capacity factor by class of turbines

Wind Speed	Class I	Class III
9,4 m/s	44%	59%

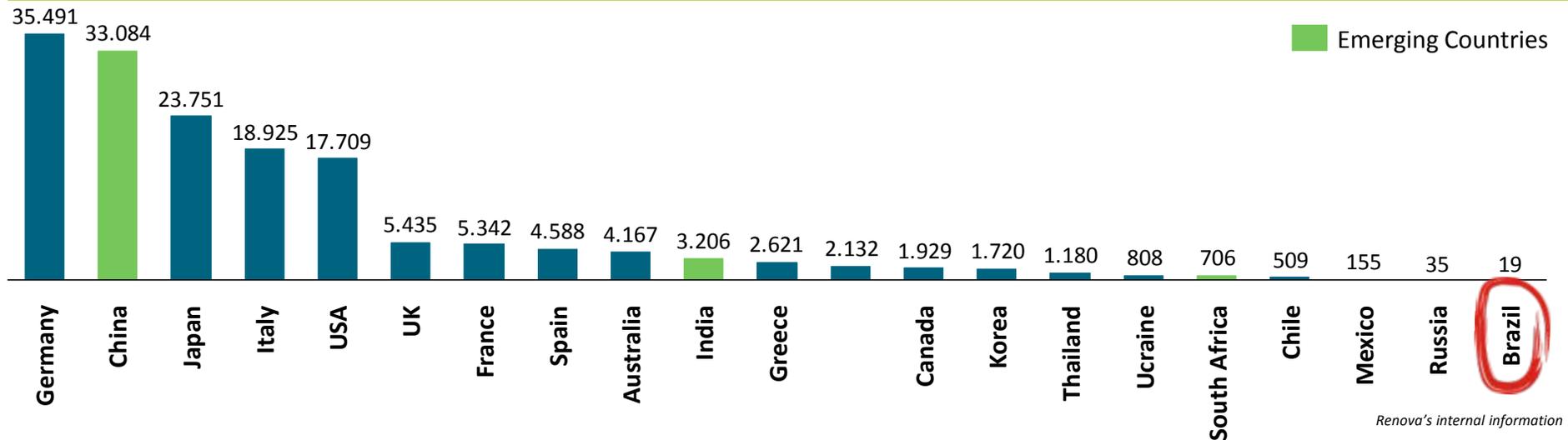
# Solar Market Overview

High potential to grow in Brazil



Despite having an abundant resource, Brazil has just begun developing its solar potential

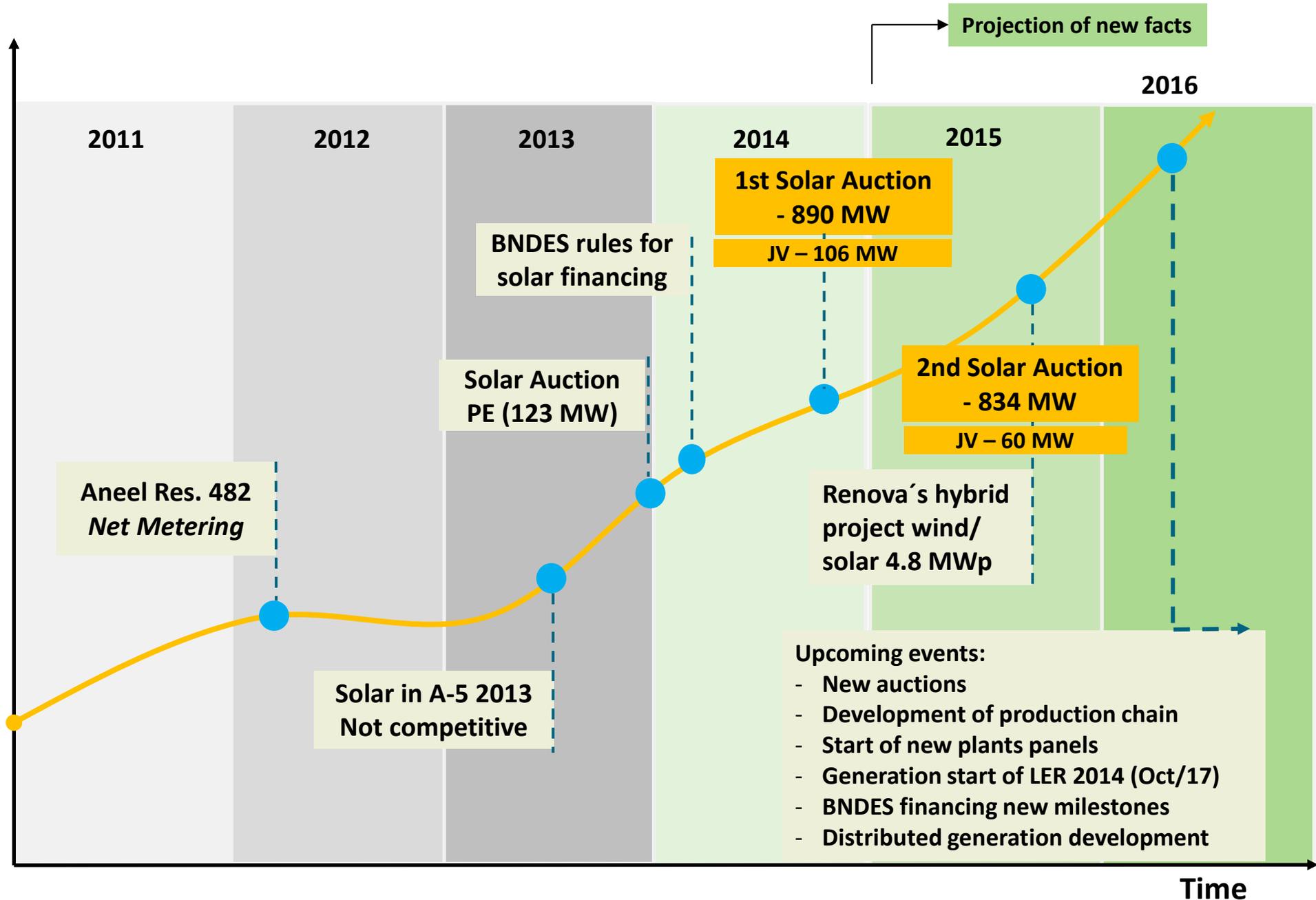
## Installed Capacity (MW)



- ✓ Great solar potential across the country → Load factor of ~27% with trackers.
- ✓ EPE 10 year plan of 2014 included solar for the first time → Plus 3,5 GWp forecast for the next 3 years.
- ✓ First dedicated solar auction in 2014: 1 GW of installed capacity → Solar project auctioned in 2014 at same price as thermal, thus not expensive anymore.
- ✓ Solar components factories are already being installed in Brazil. → First auction was the trigger for supply chain development → SunEdison, Ingeteam, among others.
- ✓ Forecast for solar auctions to occur periodically → More than 10 GW registered at LER 2014, with good capacity factor.

# Recent evolution of solar energy in Brazil

## Relevant events



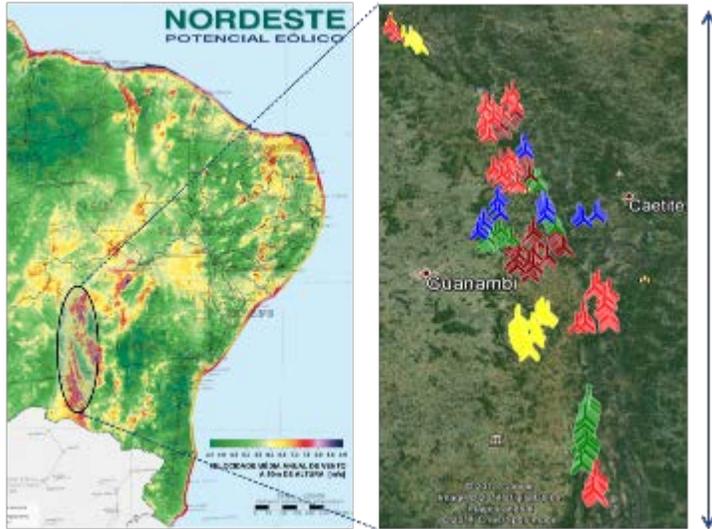


## Competitive Advantages

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# Competitive advantages: Renova is a full cycle developer by choice what allows the Company to built a huge wind and solar portfolio

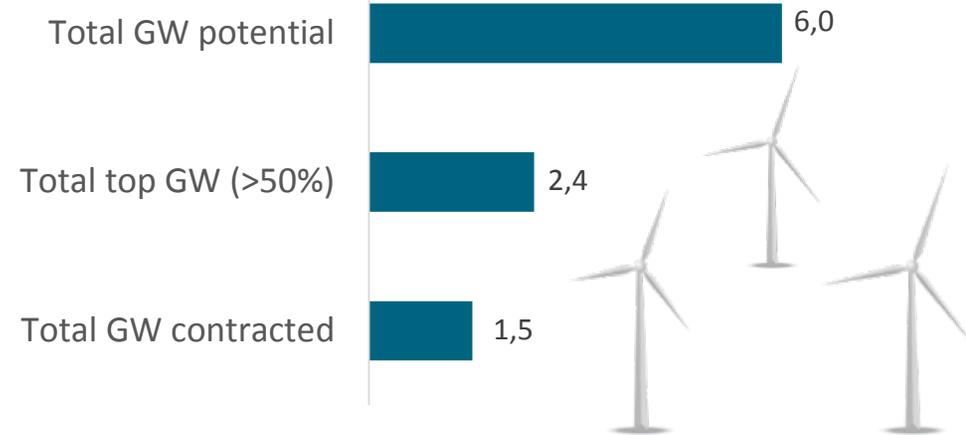
## The Gold Mine



Unique site

Scale  
+  
Quality

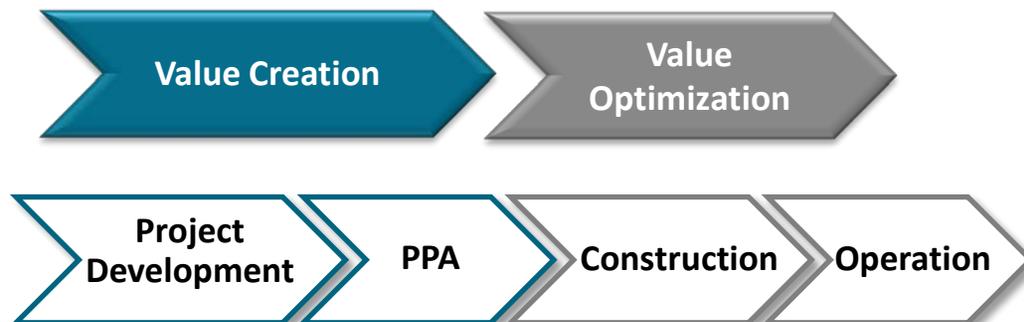
## Gold Mine GW Potential



## Total Assets Under Development: 17.4 GW

Fonte	Capacidade	% do Total
Wind	14,810	85%
SHP	580	3%
Solar	2,000	12%
<b>Total</b>	<b>17,390</b>	<b>100%</b>

## Full Cycle Developer Maximizes Value Creation

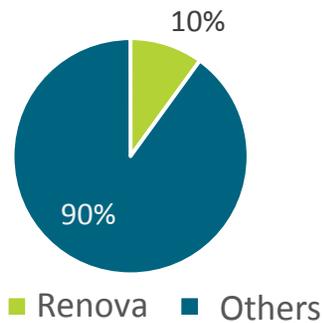


## Commercialization – Market Share

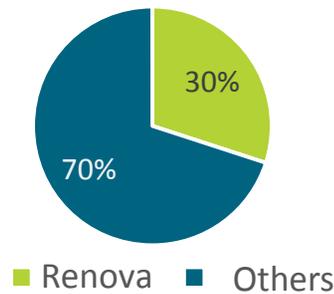
Renova is the leader company in contracted installed capacity in renewable sector in Brazil

And has consistently commercialized energy in both regulated and free Market, even in a huge and fragmented Market

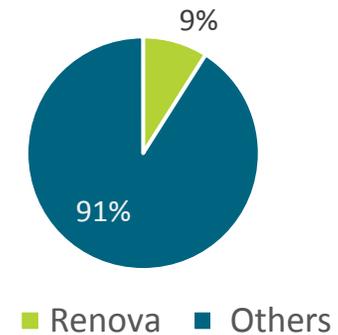
### Wind – regulated market



### Wind – free market



### Solar – regulated market



## Execution

### Owners Engeneering

ESPRA	Alto Sertão I	Alto Sertão II	Alto Sertão III
3 SHPs	14 Wind farms	15 Wind farms	45 Wind farms
42 MW of installed capacity	294 MW of installed capacity	386 MW of installed capacity	728 MW of installed capacity
COD - 2008	COD – 2012 <sup>1</sup> /2014	COD – 2014/2015	COD – 2015-2017



<sup>1</sup> Ready to operate

# Strategic alliances´ track record in wind

## Differentiated Long Term Alliance With Key Suppliers

*Renova sempre perseguiu e conquistou as melhores parcerias com fornecedores para alcançar crescimento e escala*



- ✓ Wind turbine supplier for the LER 2009, LER 2010 and LEN A-3 2011 projects
- ✓ 414 Wind turbine already constructed
- ✓ Special class of turbines
- ✓ Distribution center in loco
- ✓ Own crane (saves up to 2 weeks)
- ✓ Optimization of O&M costs

- ✓ Wind turbine supplier for other projects under construction / pipeline
- ✓ Frame Agreement: 550 turbines contracted - ~ 1.56 GW
- ✓ Best price guarantee
- ✓ Price fixed in R\$
- ✓ Distribution center in loco
- ✓ Optimization of O&M costs
- ✓ Factories close to Renova´s projects
- ✓ Priority access to new technologies
- ✓ Co-development of technologies
- ✓ Specification of each turbine for every location

- ✓ Joint Venture for investments in solar energy
- ✓ Target of ~1GW
- ✓ Price fixed in R\$
- ✓ Financial structuring with FINAME (BNDES)
- ✓ SunEdison é líder mundial
- ✓ Experience in the implementation and operation
- ✓ Supplier of equipment for the first auction and JV has no obligation to contract equipment with SunEdison



Carlos Henrique Waack

CEO



Cristiano Corrêa de Barros

CFO, IRO and  
Commercialization



Ney Maron de Freitas

Environment Director



Ricardo de Lima Assaf

Institutional Relations  
And General Council



Logística S.A.





## Renova's transaction with TerraForm Global / SunEdison

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YieldCo is an instrument created in 2013 that offers investors a combination of yield and growth and offers to companies an attractive alternative for recycling capital at competitive costs

## What is a YieldCo?

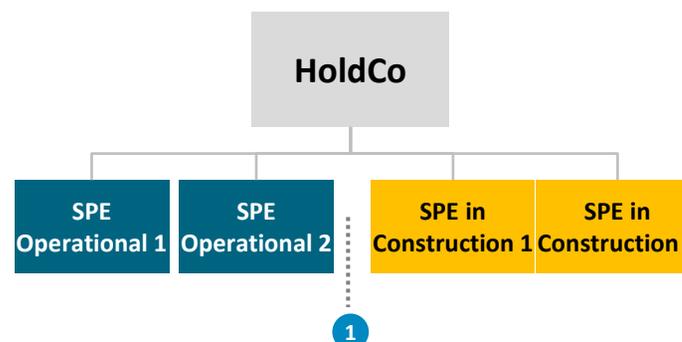
- The idea behind a YieldCo is to segregate the portfolio of operating assets into a new subsidiary and IPO this new company
- Objective: To hold and acquire operating assets with long-term contracts
- Defensive investment: dividend payment
- The development projects are kept in a separate company and can be acquired by YieldCo after COD
- Unlocking value for the parent company, with access to equity at a lower cost, given the lower risk profile of the already operating assets

## Requirements to structure a YieldCo

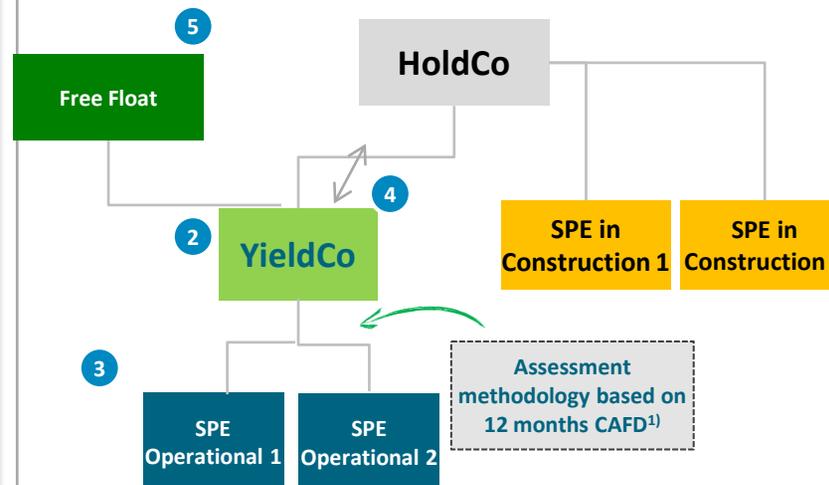
- ✓ Robust portfolio of operating assets and assets under development
- ✓ Long-term contracts with predictable cash flow and protected against inflation
- ✓ Growth opportunities in the Asset Base / Dividends (Access to Pipeline / "Rofo")
- ✓ Solid Regulatory / Legal Security

## Structure YieldCo

### Corporate Structure before YieldCo



### Corporate Structure after YieldCo



### Simplified step by step

- 1 Segregation of operating and non-operating assets
- 2 Creation of a new subsidiary called YieldCo
- 3 Transfer of the operating assets to the YieldCo
- 4 HoldCo and YieldCo sign agreement to YieldCo have preference for the acquisition of assets when they become operational
- 5 Shareholders of HoldCo monetize their participation in the YieldCo through IPO or sale to an already listed YieldCo

## Phase 1 – R\$1.6 billion

Assets	MW	Drop Down	EV (R\$)	Net Debt (R\$)	Equity Value (R\$)
ESPRA	42	2015	200	64	136
Salvador	195	2015	1,454	428	1,026
Bahia	99	2015	668	217	451
<b>Total</b>	<b>336</b>	<b>-</b>	<b>2,322</b>	<b>709</b>	<b>1,613</b>

LER  
2009

The first phase of the agreement comprised signature of share purchase contracts for sale of wind and SHP operational assets, totaling 336.2 MW for R\$1,613 millions:

- ✓ Share purchase agreement for sale of the assets of the Bahia project: 5 wind farms that placed supply in the LER 2009 auction, assessed at equity value of R\$ 451 million, to be paid in cash;
- ✓ An agreement to exchange the shares of the Company's subsidiaries that hold assets of the Salvador project: 9 wind farms that placed supply in the LER 2009 auction, with equity value of R\$ 1,026 million – for shares in TerraForm Global, on the basis of the price per share paid in the IPO (July 31, 2015).
- ✓ Completion of the disposal of the ESPRA projects to TerraForm Global is still subject to certain obligations, including regulatory approvals.

**R\$587 milions in cash and R\$1,026 billion for TerraForm Global shares**



## Renova Transaction – Phase II

Phase II of the Agreement consisted of a contract in which shares in subsidiaries of Renova that hold assets with 2,204.2 MW of installed generation capacity were to be exchanged for shares in TerraForm Global, representing enterprise value of R\$ 13.4 billion.

- One of the conditions precedent: conclusion of the sale to SunEdison of the stockholding interest in Renova held by Light, within the controlling stockholding block of Renova.
- **As a consequence of the sale of that interest not having been consummated, Phase II of the Agreement is canceled.**

Assets that were part of the transaction:

Asset	Installed Capacity (MW)	Year of exchange
Light I	200.7	2017
Light II	202.8	2017
LEN A-5 2012	18.9	2017
LER 2010	167.7	2018
LEN A-3 2011	218.4	2018
LER 2014 – wind	43.5	2018
LER 2014 - solar <sup>1</sup>	53.5	2018
LER 2013	159.0	2019
Cemig <sup>2</sup> PPA	676.2	2019
LEN A-5 2013	355.5	2020
LEN A-5 2014	108.0	2020

## IPO parameters

~1,400MW of installed capacity, primarily in solar and wind projects

~20 average years of contracted PPA

CAFD next twelve months ~\$ 215 MM

Target dividend growth ~20% per year for the next three years

## TerraForm Global growth

Sponsor's commitment to offer CAFD for the next few years

Track-record of management in M&A and capital raising

CAFD identified in third party's call rights

## SunEdison Support

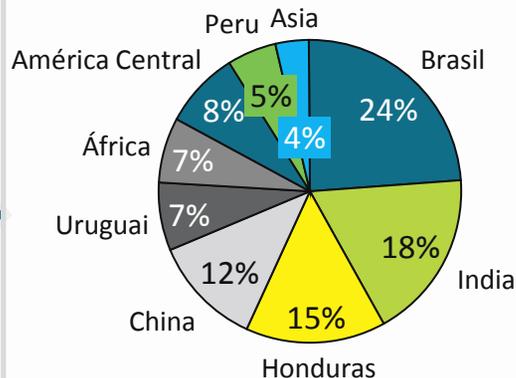
Largest listed company in the US to develop wind projects and solar

Platform of development and operations

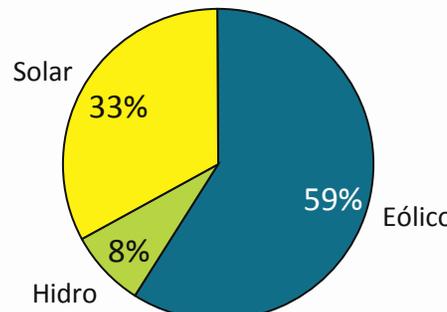
Strong financial partners and expertise in capital markets

Dedicated management and aligned globally

### Geographic



### Tecnology



IPO

Growth pillars

Dropdowns Additional

Dropdowns of sponsor

Third Party Acquisitions

Call rights Third Party

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# Renova's track record

High quality and diversified portfolio



Parks	Source	Complex	Installed Capacity (MW)	Energy Sold (avg MW)	Number of wind farms	Start of the contract
TerraForm Global <sup>1</sup>	Wind/Solar		77,0			
LER 2010	Wind	Alto Sertão II	167,7	78,0	6	Oct-14
LEN A-3 2011	Wind	Alto Sertão II	218,4	103,6	9	Mar/Sep-15
LEN A-5 2012	Wind	Alto Sertão III - Fase A	18,9	10,2	1	Jan-17
LER 2013	Wind	Alto Sertão III - Fase A	159,0	73,7	9	Sep-2015
LEN A-5 2013	Wind	Umburanas	355,5	178,0	17	May-18
LEN A-5 2014	Wind	Umburanas	108,0	49,4	5	Jan-19
LER 2014	Wind	Alto Sertão	43,5	20,9	3	Oct-17
LER 2014 <sup>3</sup>	Solar	Alto Sertão	53,5	10,9	4	Oct-17
LER 2015 <sup>3</sup>	Solar	Alto Sertão	29,9	7,5	2	Aug-17
ESPRA	SHP	-	41,8	18,7	3	2008
Brasil PCH	SHP	-	148,4	95,8	13	2008/2009
<b>REGULATED MARKET</b>	-	-	<b>1.421,6</b>	<b>646,8</b>	<b>72</b>	-
Light I	Wind	Alto Sertão III - Fase A	200,7	100,2	12	Sep-15/Jan-16
Light II	Wind	Alto Sertão III - Fase B	202,8	100,2	12	Sep-16
Mercado Livre I	Wind	Alto Sertão III - Fase B	21,6	11,0	2	Jan-16
Mercado Livre II	Wind	Alto Sertão III - Fase B	101,4	50,0	8	Jan-17
Mercado Livre III	Wind	Alto Sertão III - Fase A	32,4	15,0	2	Sep-2015
PPA Cemig	Wind	Jacobina	676,2	354,0	TBD	Sep-18
Híbrido	Solar	Alto Sertão	4,8	1,0	1	2016
<b>FREE MARKET</b>	-	-	<b>1.239,9</b>	<b>631,4</b>	<b>37</b>	-
<b>TOTAL</b>	-	-	<b>2.661,5</b>	<b>1.278,2</b>	<b>109</b>	-

1 – Considers 11.37% of Renova's stake in TerraForm Global based on its operational installed capacity on September 30, 2015