



2021 - 2024

Planejamento Estratégico



Como você está se sentindo hoje?



















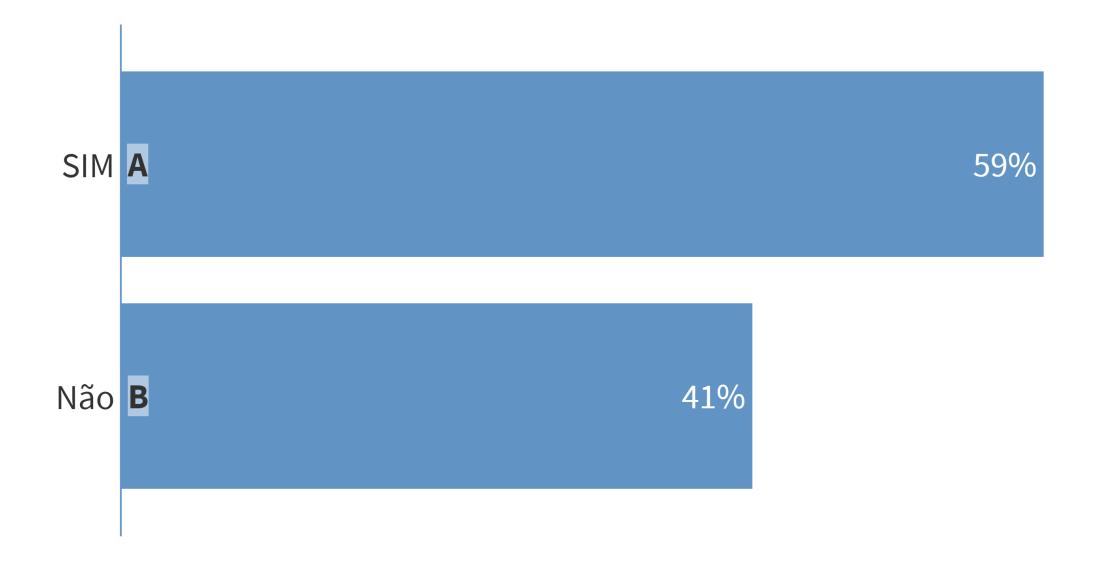
O que vem à sua cabeça quando pensa em AUSTRÁLIA?

mudaņça





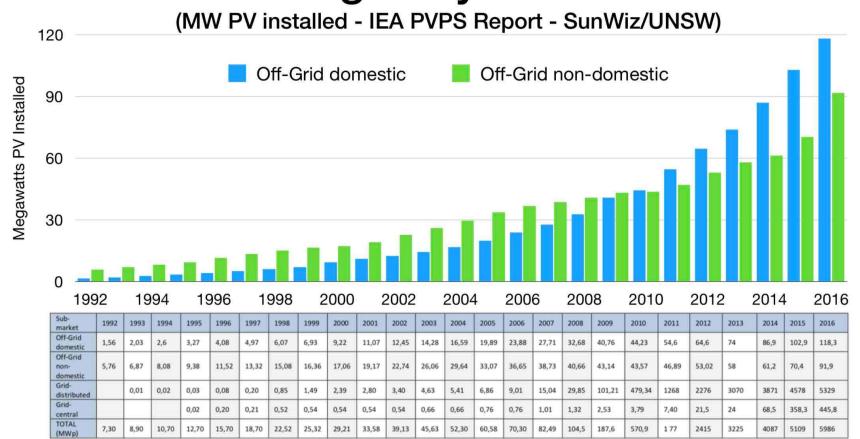
Você já pensou em desconectar sua casa da rede de energia elétrica?





Angry and frustrated, more customers are quitting the grid

Growth of off-grid systems in Australia





www.agl.com.au

Nagl MY ACCOUNT NSW GET CONNECTED SOLAR AND RENEWABLES BUSINESS ABOUT AGL HELP **CONTACT US** Electricity & Gas Plans Moving Home Connection Support Get up to \$100 in sign-up Smart Home credits Electric Vehicles at's \$50 if you sign up for a home electricity or gas plan, or \$100 r both. Loyalty COMPARE PLANS







www.agl.com.au

Electricity

GREAT VALUE AGL BUSINESS ESSENTIALS Estimated cost 17% less than reference price **\$510** \$6116 per month per year PLAN DETAILS Low rates fixed for 24 months 24-month Energy Plan Period 30 day payment terms YOU'LL ALSO GET 24/7 Call Centre access or online support Select billing date & frequency Flexible Payment options Access to EOFY & GST Statements+ No exit fees BASIC PLAN INFORMATION Click here for Basic Plan Information Documents Learn more SIGN UP NOW

AGL BUSINESS SMART SAVER An average small business customer will pay 9% less than reference price **\$553** \$6634 per month per year PLAN DETAILS 10% guaranteed discount off usage and supply charges 24-month Energy Plan Period Variable rate YOU'LL ALSO GET 24/7 Call Centre access or online support Select billing date & frequency Flexible Payment options Access to EOFY & GST Statements+ No exit fees BASIC PLAN INFORMATION Click here for Basic Plan Information Documents Learn more SIGN UP NOW

Gas

GREAT VALUE AGL BUSINESS ESSENTIALS Low rates* fixed for 24 months PLAN DETAILS Low rates* fixed for 24 months 24-month Energy Plan Period 30-day payment terms YOU'LL ALSO GET 24/7 Call Centre access or online support Select billing date & frequency Flexible Payment options Access to EOFY & GST Statements+ No exit fees BASIC PLAN INFORMATION Click here for Basic Plan Information Documents Learn more SIGN UP NOW

AGL BUSINESS SMART SAVER

10% off

usage and supply charges*

PLAN DETAILS

10% guaranteed discount off usage and supply charges
24-month Energy Plan Period
Variable rate

YOU'LL ALSO GET

24/7 Call Centre access or online support Select billing date & frequency Flexible Payment options Access to EOFY & GST Statements+ No exit fees

BASIC PLAN INFORMATION

Click here for Basic Plan Information Documents

Learn more

SIGN UP NOW



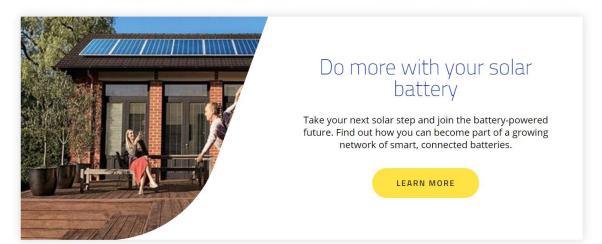
www.agl.com.au

GET CONNECTED SOLAR AND RENEWABLES BUSINESS ABOUT AGL HELP CONTACT US

Solar energy

Get started with solar Or get more from your system, We can help you harness solar energy, in more ways than one.

REQUEST A CALL BACK





www.agl.com.au

GET CONNECTED SOLAR AND RENEWABLES BUSINESS ABOUT AGL HELP CONTACT US

Renewables

Solar and wind power lead the charge in our renewables portfolio.

Committed to helping shape a sustainable energy future for Australia.

We're proud to be the largest ASX-listed investor in renewable energy generation in the country. Through our suite of renewable energy assets, we are taking action toward creating a sustainable energy future for our investors, communities and customers.

AGL plays a leading role in developing a pathway to a modern, decarbonised generation sector, developing and investing in new renewable and near-zero emission technologies.

Renewable sources are an important part of AGL's generation capacity (power stations owned, operated or otherwise controlled by AGL). Our renewable energy generation comes from many locations and is produced through various sources - we turn sunshine and wind into energy as the primary sources of our renewable generation, we also operate a number of landfill gas, biogas and hydroelectric schemes.



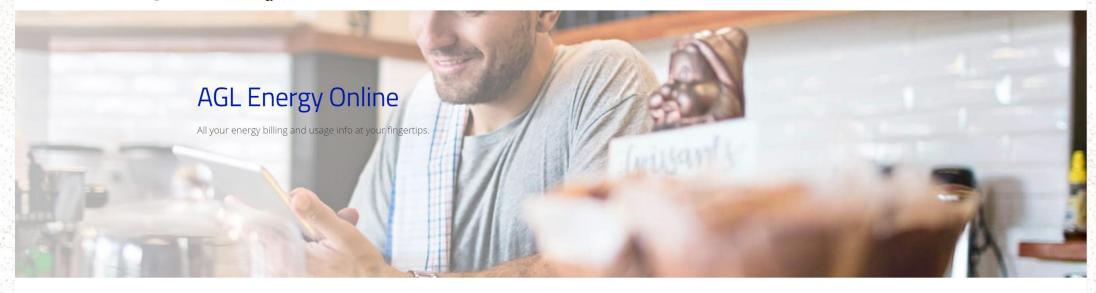
www.agl.com.au

NSW MY ACCOUNT

SOLAR AND RENEWABLES BUSINESS

ABOUT AGL

Home > Business > Large Business > AGL Energy Online



Always be in control of your account

Managing your business energy is easy with AGL Energy Online. Just log in to find details of your billing and energy usage in one place, anytime you need it. It gives you easy and secure, around the clock access to:

- view your current and previous bills back as far as October 2011, or from when your contract started, if later
- pay your bills online
- set-up eBilling or Direct Debit, and
- update your business details.

To register with AGL Energy Online, give us a call on 1300 793 477.





O que vem à sua cabeça quando você pensa em ALEMANHA?



VIRTUAL POWER PLANTS...





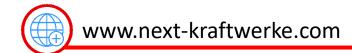




Virtual Power Plant



VIRTUAL POWER PLANTS...









Energy Pioneers



"When our biogas power plant was under construction, people wondered why we were installing 4 MW CHPs but only kept the motors running for a few hours a day" says Onno Wilberts while pointing at the three combined heat and power (CHP) units at the biogas power plant he operates with Guido Koch. "There was still a lot of educating to be done." In 2011 Wilberts and Koch were pioneers in the German biogas industry. Their objective: A biogas power plant that can help stabilize grid frequency and follow a peak-load operation schedule that is tied to the price of power.

VIRTUAL POWER PLANTS...





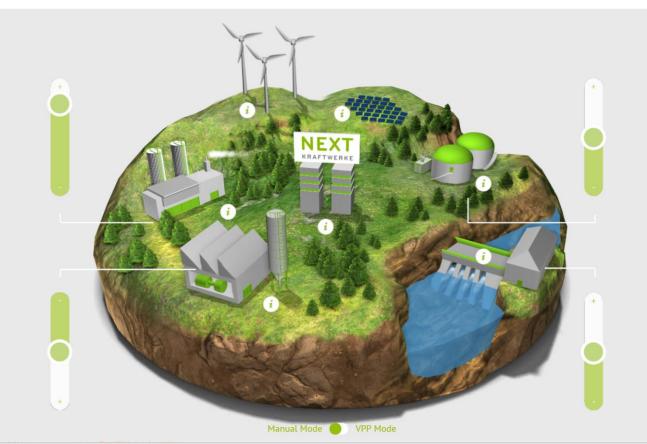




50,094 Hz 49.80Hz

3.08%

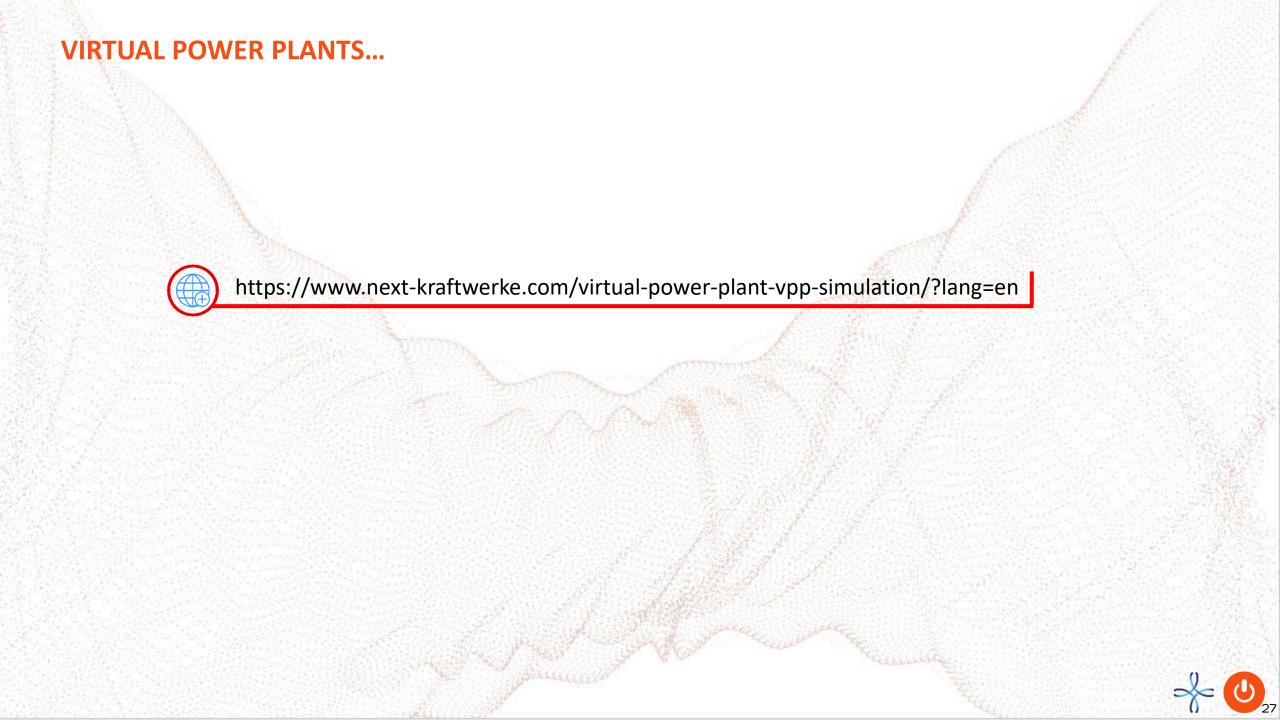
▼ Calm winds





Você já despachou uma VPP?



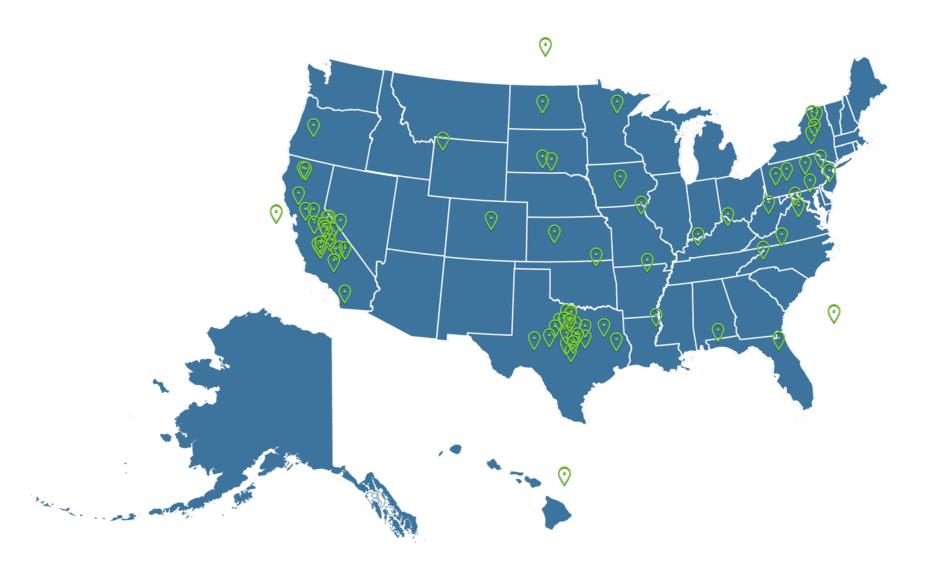


VIRTUAL POWER PLANTS... www.next-kraftwerke.com **DIGITAL FLEXIBLE SUSTAINABLE** Facts & Figures Virtual Power Plant Next Pool **155** 2009 8,109 7,142 12,1 627.7 Mio Euro Aggregated Units Networked Sales Volume of traded Staff Foundation Capacity 2018 energy June 2019 9,966 8,538 178 2009 627.7 10 Mio Euro Aggregated Units **Networked Capacity** Sales Staff Branches Foundation September 2020 2018





Clique na(s) região(ões) que você sabe que o consumidor americano é Livre...







Forte apelo para os veículos elétricos...



www.energy.gov

eGallon: Compare the costs of driving with electricity

What is eGallon?

It is the cost of fueling a vehicle with electricity compared to a similar vehicle that runs on gasoline.

Did you know?

On average, it costs about half as much to drive an electric vehicle.

Data and Methodolog

Updated: September 26, 2020

Find out how much it costs to fuel an electric vehicle in your state

US Average ~

regular gasoline 2.17

electric eGallon <u>:1:,2::1</u>

eGallon: Compare the costs of driving with electricity

What is eGallon?

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Data and Methodology Updated: September 26, 2020 Find out how much it costs to fuel an electric vehicle in your state

California 🗸

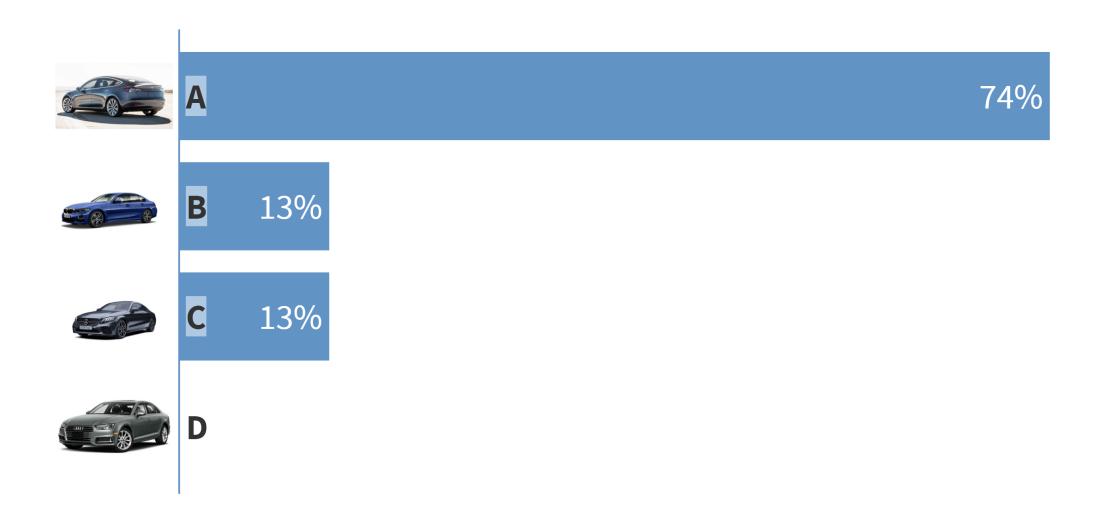
regular gasoline 13:10:19

electric eGallon 1.8.3



Envie DONATOD516 para +351 92 781 5519 para entrar, em seguida A, B, C, or D

Qual desses carros você gostaria que a ABRACEEL sorteasse no jantar de fim de ano?



EV Volumes

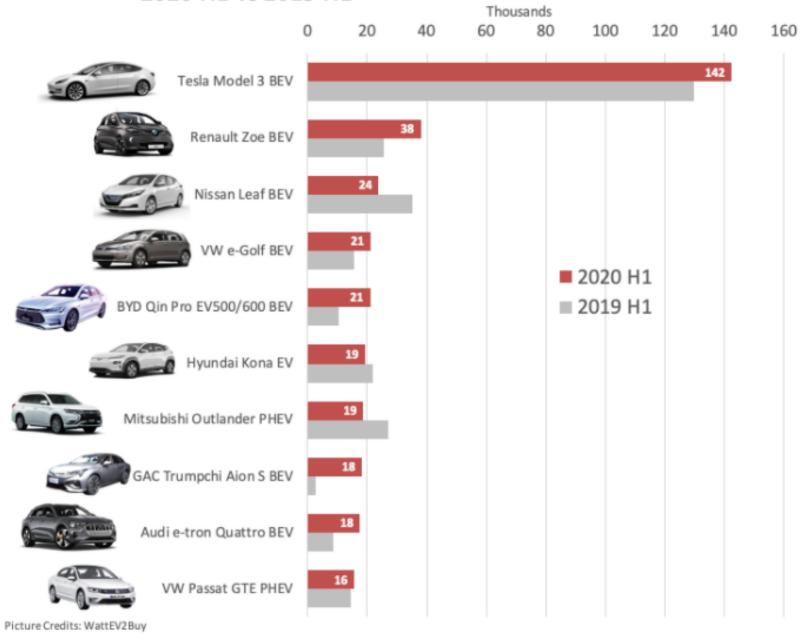


300	Entregas de Janeiro a Junho de 2020, em mil carros				
	Europa	EUA	China	Global	Vs 2019 Q1
Tesla Model-3	33	41	48	142	12
BMW 3&4	62	22	65	162	-28
Mercedes C & CLA	74	18	70	177	-71
Audi A4 & A5	50	19	51	125	-72
Outros	35	47	15	112	-63
Total	254	147	249	718	-222

EV Volumes

TOP-10 EV MODELS - GLOBAL DELIVERIES 2020 H1 vs 2019 H1





www.ev-volumes.com

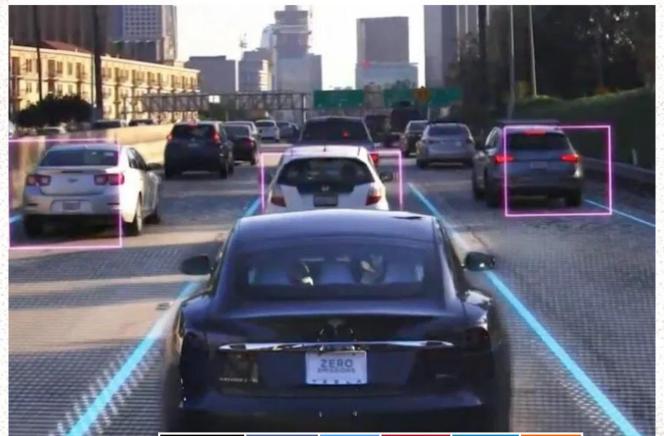
Forte apelo para os veículos elétricos...



electrek.co

Tesla to release 'Full Self-Driving Beta' to some customers next week

Fred Lambert - Oct. 12th 2020 8:33 am ET 💆 @FredericLambert



Scooters também são mobilidade elétrica...



electrek.co

NIU stock price jumps 12% after selling quartermillion electric scooters last quarter

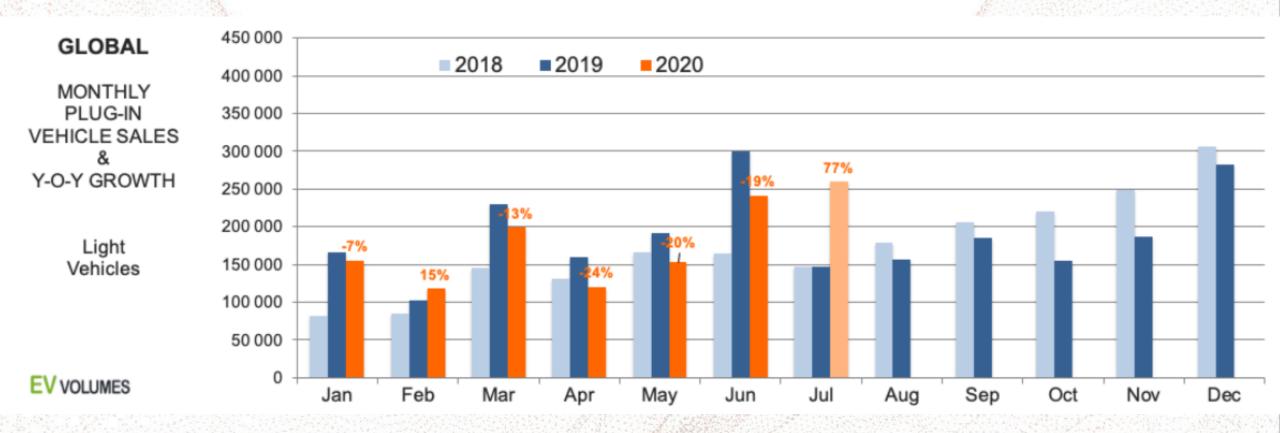
Micah Toll - Oct. 9th 2020 1:58 pm ET ♥ @MicahToll

ELECTRIC SCOOTER



EV Volumes







EV Volumes

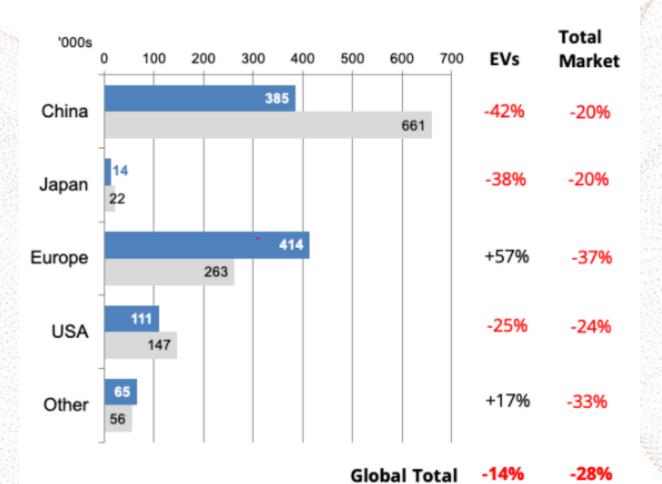




2020 Jan-June

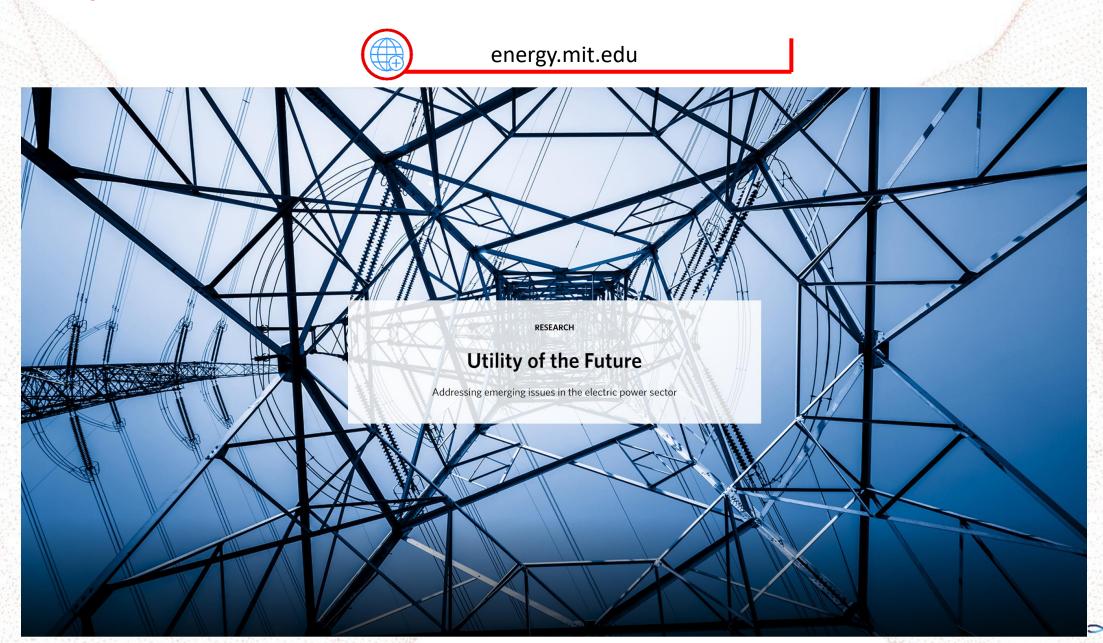
EV VOLUMES

= 2019 Jan-June





The Utility of the Future





www.energyworx.com

energyworx

WHY ENERGYWORX PLATFORM USE CASES PRICING OUR DNA JOBS NEWS & BLOG CONTACT

Console Login

CRUNCHING THE FUTURE **OF ENERGY DATA Energyworx SaaS** The energy transition disrupts traditional business models, shifting **RESULTS IN DAYS,** commodity driven portfolios to data driven services. With a suite of **NOT MONTHS** Energy Data Management and Energy Intelligence Solutions, Meet & Greet @EUW19 Energyworx SaaS uncovers and monetizes the hidden value of data, providing you with actionable insights. Instantly. European ••••• Utility Week **WE WANT** Read our story • YOU! We're hiring. Join us! Jobs







www.energyworx.com

DELIVERING BUSINESS CAPABILITIES ACROSS THE ENERGY VALUE CHAIN







SUPPLY

Generation, Market Operation, Trading

ASSET EFFECTIVENESS

e.g. Conditioning Monitoring, (non-)Technical Loss

COMMERCIAL OPTIMIZATION

e.g. VEE/Forecasting, Portfolio Management

EFFECTIVE MAINTENANCE

e.g. Preventive Maintenance (Hot Sockets)

NETWORK

Transmission, Distribution

CAPITAL EFFECTIVENESS

e.g. Dynamic Grid Planning

NETWORK OPERATIONS OPTIMIZATION

e.g. Fault Detection Monitoring

LOAD & CONSUMPTION OPTIMIZATION

e.g. Volt/Var Control

RETAIL

Commercial, Industrial & Residential

COST EFFECTIVENESS

e.g. Demand Response Programs

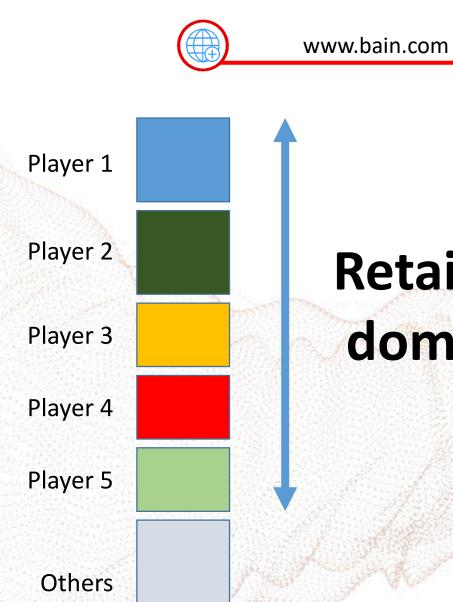
REVENUE ASSURANCE

e.g. Billing Determinants, Unbilled Revenue

CUSTOMER ENGAGEMENT

e.g. Energy Information Services

Freedom to choose the energy supplier



60%

Retailer Energy Market is dominated by 5 players, at most...





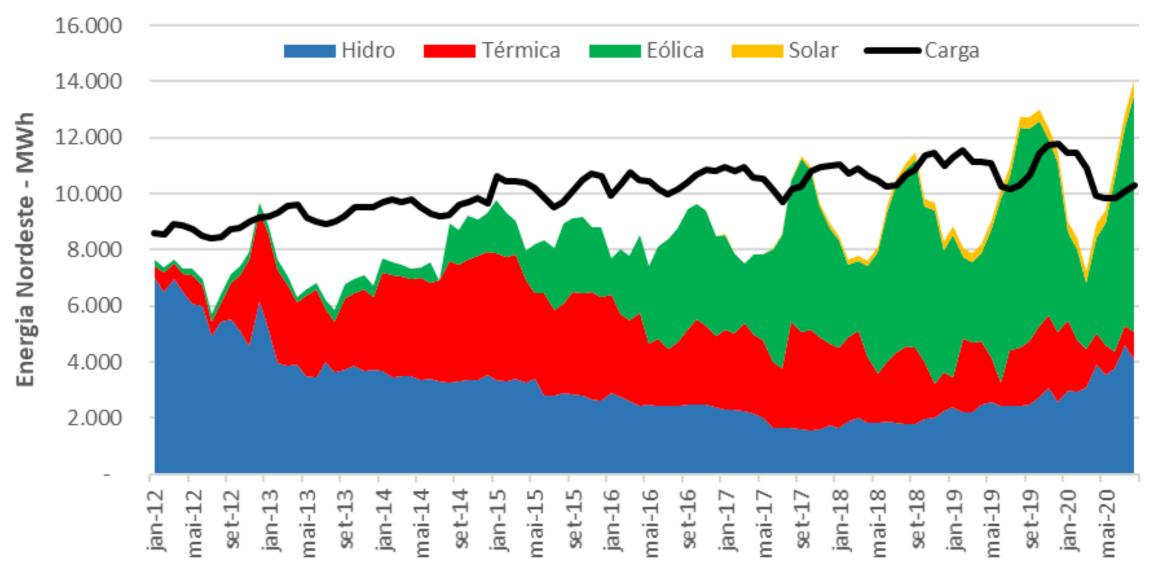




O que vem à sua cabeça quando você pensa no Brasil?

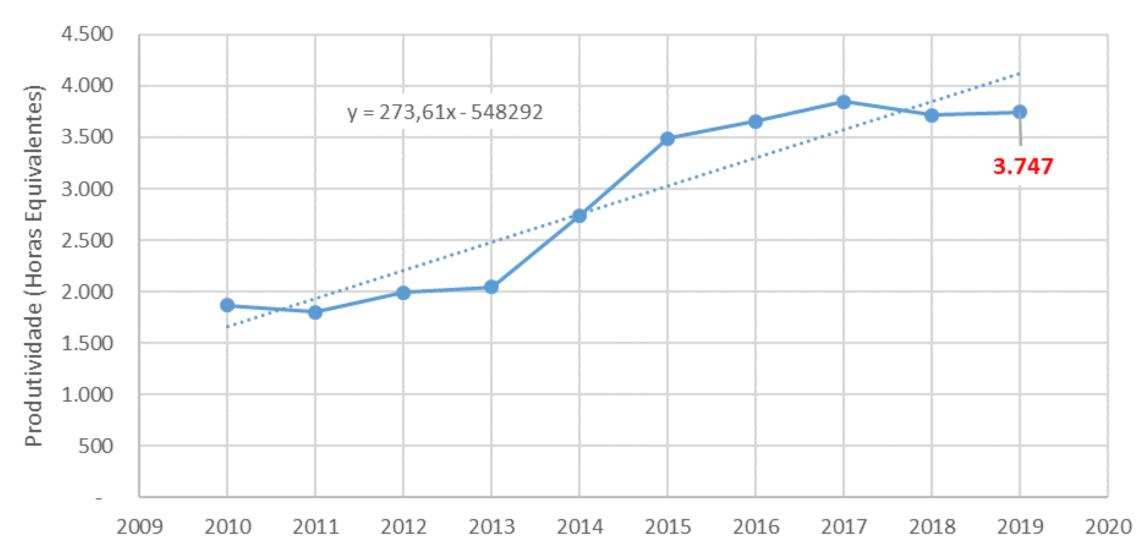
dificuldade competencia progredir dinheirona cueca, caipirinha onegócios fo infraestrutura

O crescimento das renováveis é exponencial...



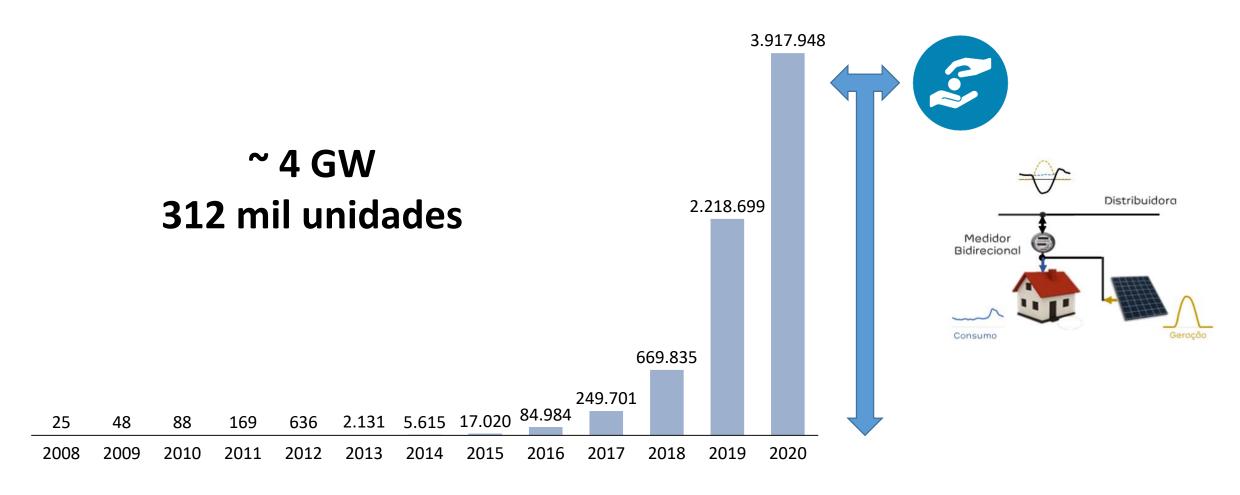


Os ganhos de produtividade das usinas eólicas são revolucionários...





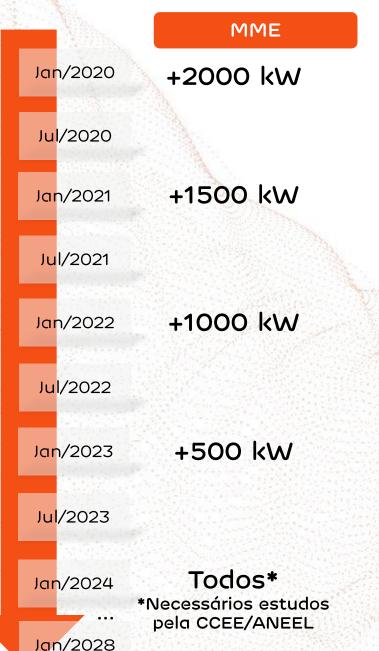
O crescimento da geração solar é exponencial...



Capacidade instalada de instalações de GD no Brasil



O MME propôs completa abertura de mercado até 2024, com ações prévias...



Dada sinalização do MME de abertura gradual... Existe um mercado de

R\$ 2,5 bi

a ser explorado...

Proposta de que todo o cliente com menos de 500kW de demanda contratada seja representado por Comercializador Varejista...



150 mil clientes até 2023...

Hoje há 10.000 clientes livres...



Paralelamente novos entrantes também miram o setor

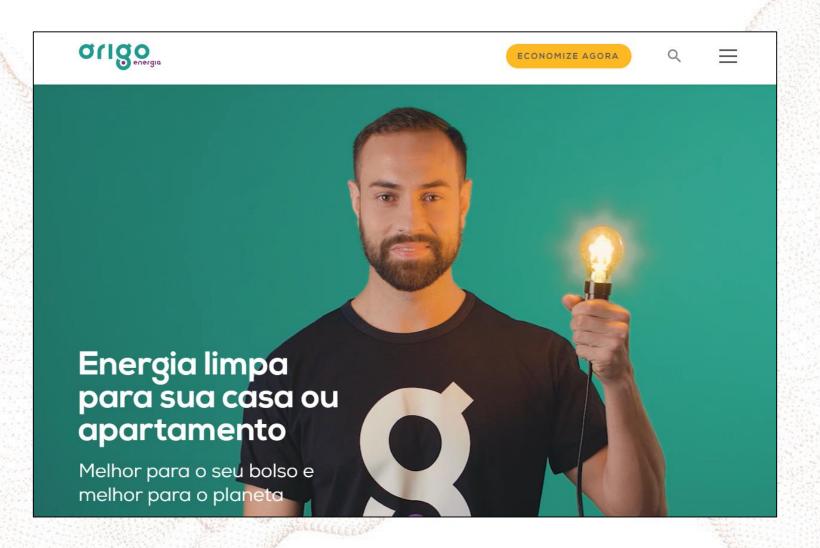




Energia solar no varejo...



origoenergia.com.br





Nem carro... nem scooter...



mobilis.me

MOBILIS

Produtos Contato Sobre Nós





Melhor opção para o cliente...



voltrobotics.com.br





Innovation and Disruption at the Grid's Edge How distributed energy resources are disrupting the utility business model Edited by FEREIDOON P. SIOSHANSI

SORTEIO



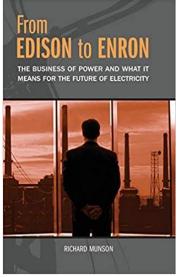




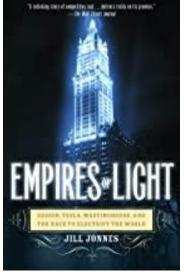




Dicas da VOLT



DES MESMOS AUTORES DE ABUNDANCIA PETER H. DIAMANDIS * STEVEN KOTLER



the right it

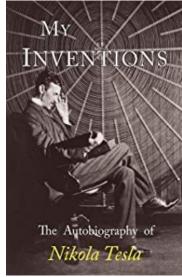
"Why So Many Ideas Fail

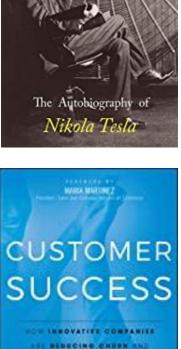
and How to Make Sure

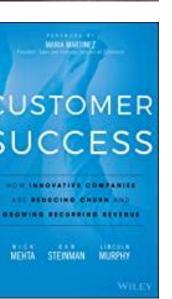
Alberto Savoia

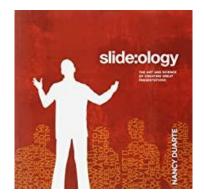
Yours Succeed

Innovation Agitalist at Google

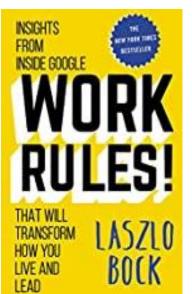


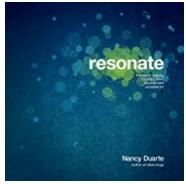


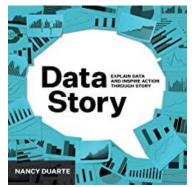


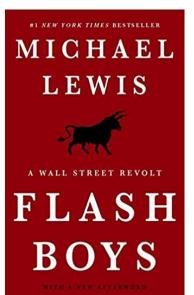


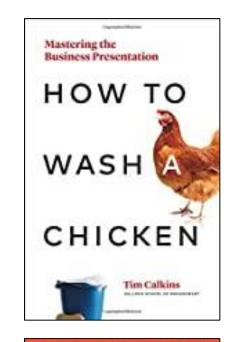


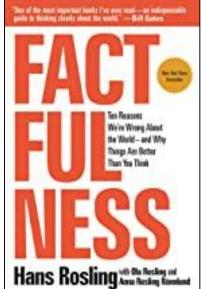










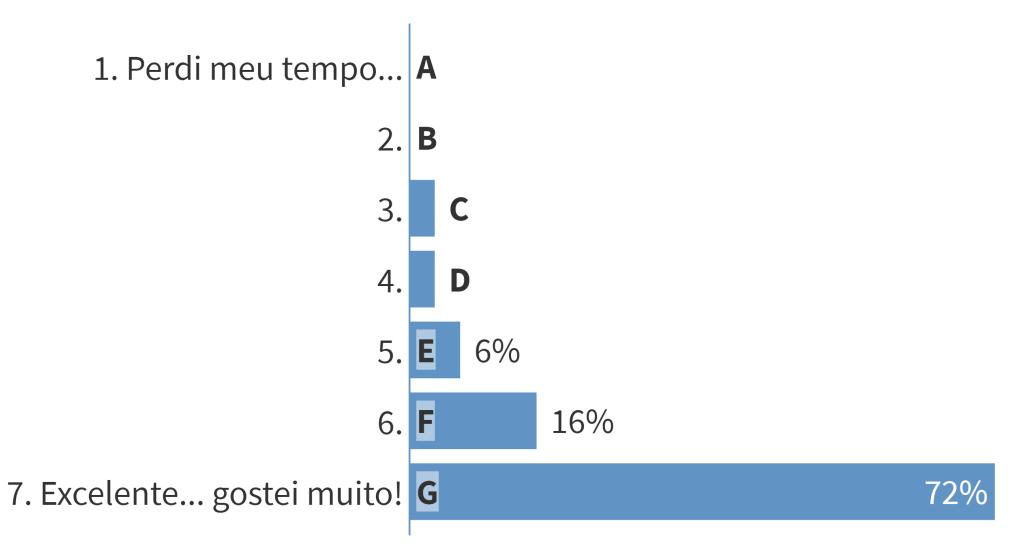


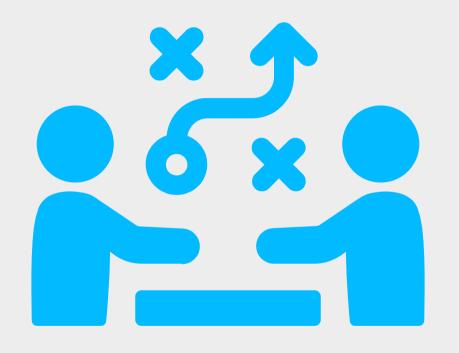






Dê uma nota de 1 a 7 para esta apresentação...







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