

SMART GRID FORUM 2019 ENERGY INDUSTRY DIGITALIZATION



Hexing Group – Solutions Portfolio

Agenda

 Hexing at a Glance

 Smart Grid Solution

 Hexing Brazil - Corporate Structure

 Micro-Grid Portfolio

 Business Guidelines

 Success Cases

 Comprehensive Portfolio



Hexing at a Glance



Hexing is a multinational company founded in 1992 offering high technology solutions and services for utility industry worldwide

Employees

- +4,000 total
- +1,000 engineers

History

- > 27 years

Global Experience

- > 80 countries

Publicly Listed

- Shanghai stock exchange

Global Footprint

- 12 Regional Headquarters
- 5 Overseas Factories
- 3 Factories in China
- 4 Developing Centers

Business Areas

- Smart Metering
- Street Lighting
- Communication Technologies
- Software Platforms
- Micro-Grids and Distributed Generation
- Advanced Distribution Management
- Operation & Maintenance Services





Regional Office



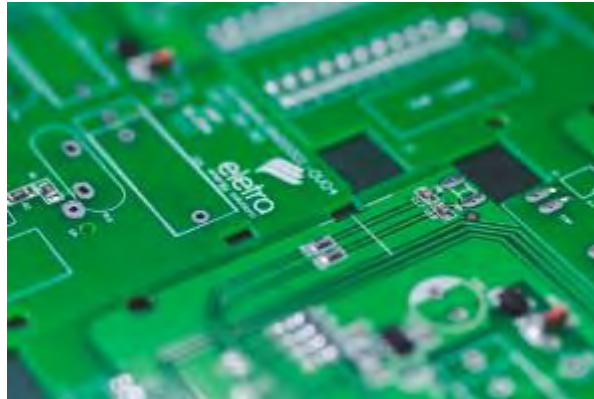
- Founded in 2016, Regional Office of Hexing Group in São Paulo was created to focus in Smart Grid opportunities inside the Brazilian market. And in only 2 years of operations it won important projects according with the references below:

ENEL: Meters and More

Neoenergia: Wi-SUN and PLC PRIME

CPFL: LoRa, PLC G3, LTE, Wi-SUN, Balance Meters

EDP: LoRa, LTE 230MHZ



- Founded in 2010, Eletra Energy Solutions was created from a joint venture formed by a Brazilian company and Hexing Group in China. In March 2013, Eletra Energy Solutions was 100% acquired by Hexing Group, which has over 26 years of experience in the development and manufacturing of electricity meters and solutions. In 2018, Eletra Energy Solutions ended at the #1 position of market share participation in Brazil covering solid state meters, and has begun the deployment of strategic Smart Grid projects which targets the installation of +100,000 units of smart meters ZEUS, beyond communication networks and software suites.



- SPIN Energy Servicios Eléctricos Ltda is part of Hexing Group specialized in providing field services to utilities. It works with overhead and underground distribution networks, power transmission lines, small and large size substations, industrial and commercial installations, always in accordance with the most strict standards of safety and quality. The operations manage +840 employees spread over +120 cities in Minas Gerais state inside the concession area of Cemig Group.

Top principles for Smart Grid technology providers

1 High Quality
Long life products

2 Open Standards
IP based solution, IEEE, IETF, RFC

3 Interoperability
Member of international alliances, e.g. Wi-SUN

4 Security
Advance Security secured by Penetration Tests

5 Scalability
Proven solution to manage millions of devices

6 Network Operations
NOC, IT governance / ISO 20000, SaaS

7 Big Data
Processing of large data volumes, M2C engine

8 System Integration
Common international standards and customizations

9 Proven IT solutions
IT architectures for small and large projects

10 Customer Delivery
Program management, PMO for project governance

11 Technical Support
Qualified technical team tracking customer satisfaction

12 Network Performance
Committed with market and regulatory indicators, and mission critical systems

Micro-Grids & Distributed Generation



Distribution Automation



Smart Metering



Revenue Collection



Operation & Services



ZEUS 8021



1-phase 2-wires

ZEUS 8031*



1-phase 3-wires

*Final stage in Inmetro.

ZEUS 8023



2-phase 3-wires
3-phase 4-wires

ZEUS 8023 – 2,5



CT connected
meter

HXEJ201



Transformer Monitoring

PANTHEON



SMC - Sistema de Medição Centralizada



- Single phase meters (12 modules)
- Combination of 2 and/or 3 elements
- Connection / Disconnection
- Alarms and events



RF Link

Remote Display



APROVADO PELO INMETRO!

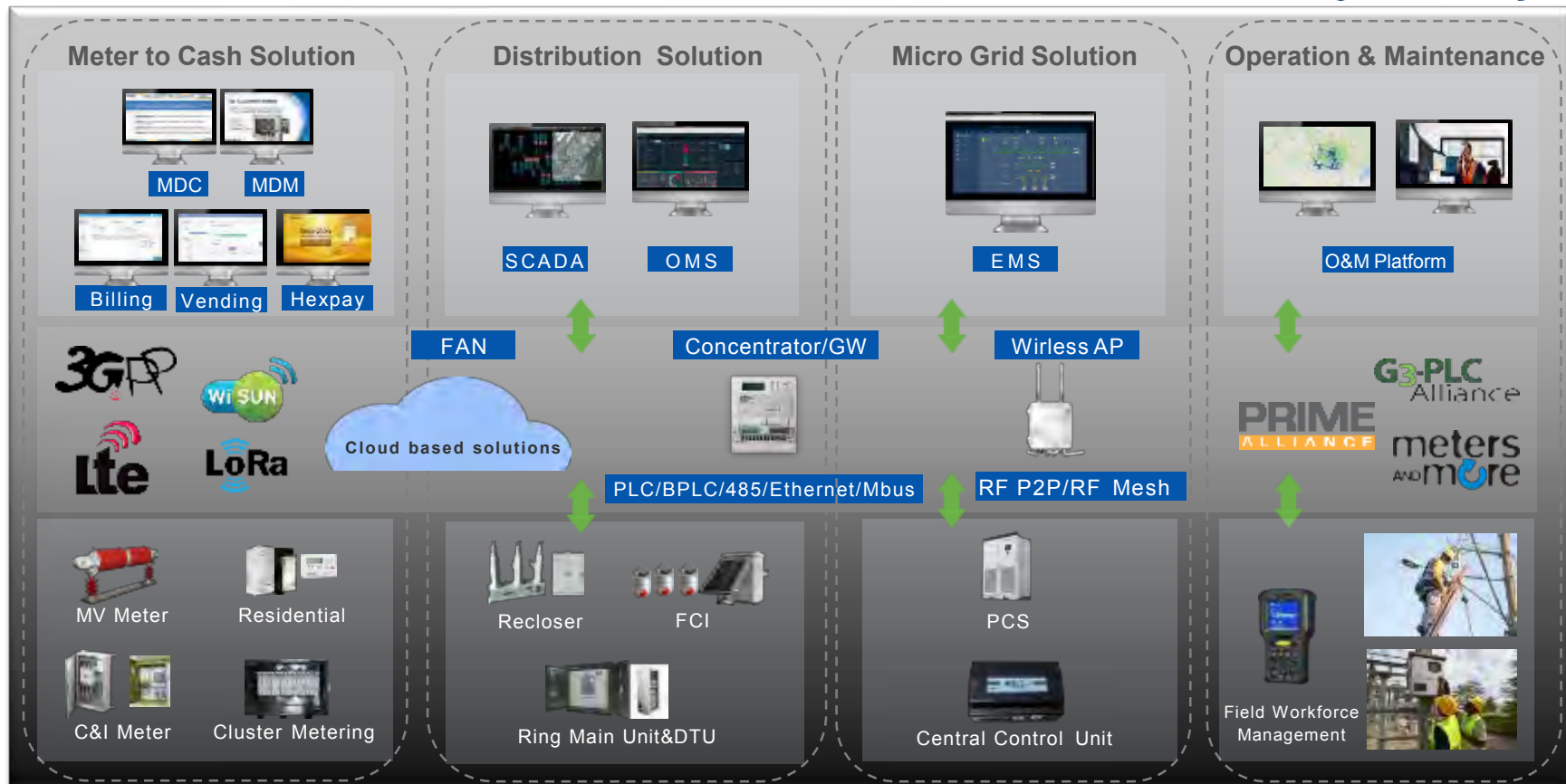
by  **HEXING**

PANTHEON

(SDMEE)

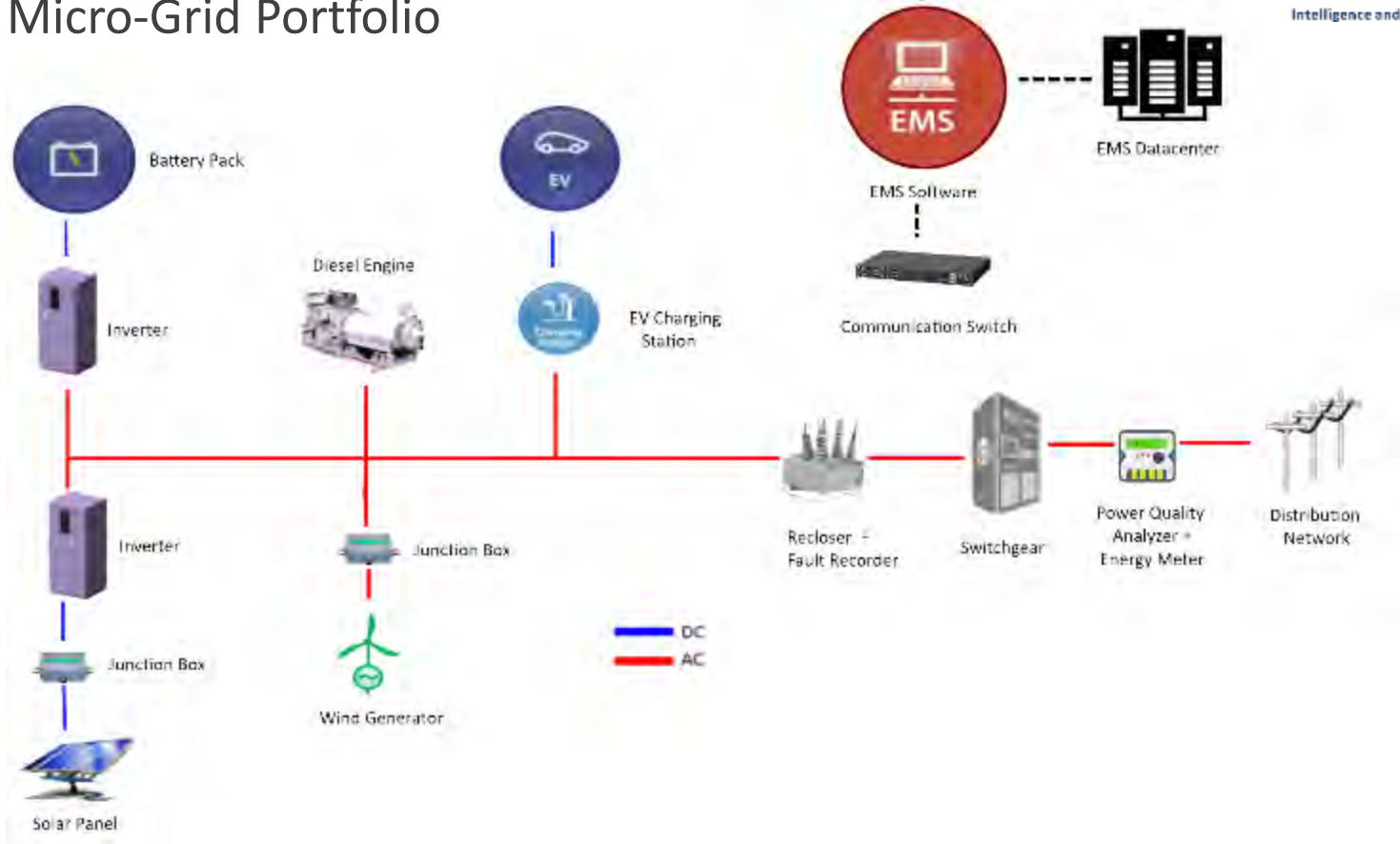
*Aprovado de acordo com o
Regulamentos Técnicos
Metrológicos para Sistema
Distribuído de Medição de Energia
Elétrica pelas Portarias Inmetro
nº 586/2012 e nº 371/2007*







Micro-Grid Portfolio



THANK YOU

For more information, please visit

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