

# **FICHTNER**

Fichtner Digital Grid -Integrated Solution Portfolio for Distribution System Operators

BW-I: Intelligent grid planning and real-time monitoring systems securing grid stability in Japan



Established in 1922 and family-owned ever since



Project experience in more than 170 countries



Total turnover of €246 million in 2017



More than 1500 employees worldwide – over 500 of these in our home office



Long-standing employees from 66 nations



Certified systems for quality, workplace health, safety, compliance, environmental protection

### Paradigm Shift

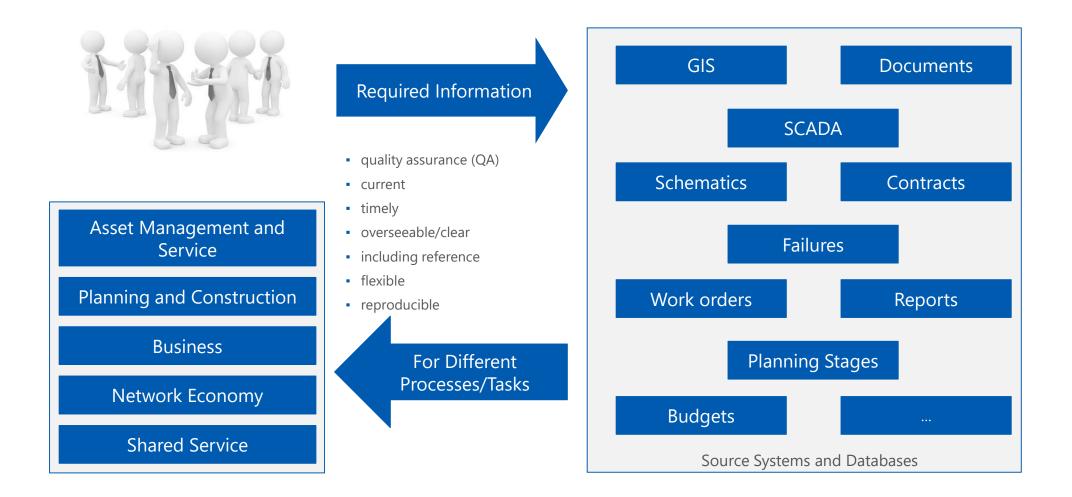
The market changes in the energy sector: digitization, regulation, new business models



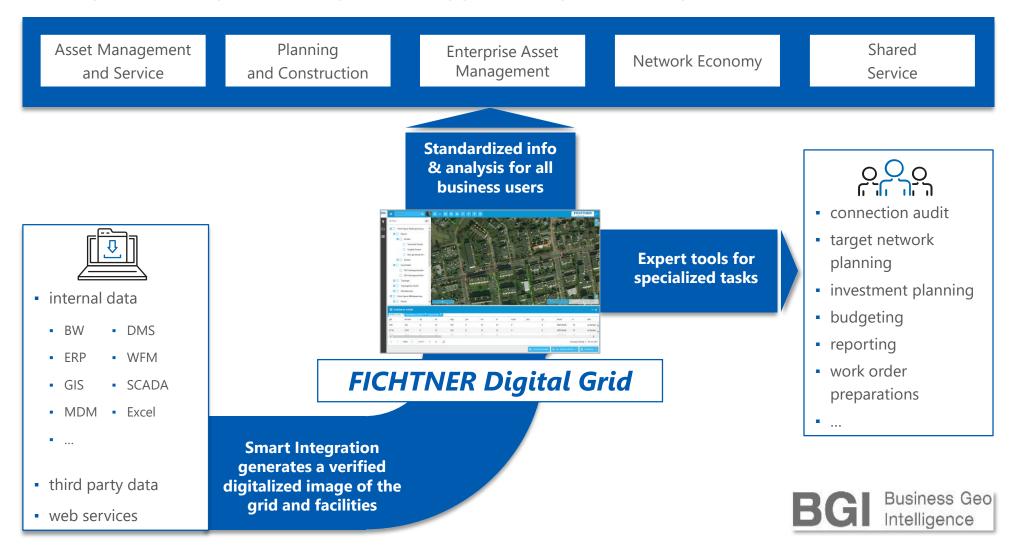
- introduction of new consumers such as electric vehicles and heat pumps
- new **storage** technologies
- increasing decentralized power generation
- aging of the facilities
- complex legislation
- new business models and value-added services
- many new and diverse market participants

### Paradigm Shift

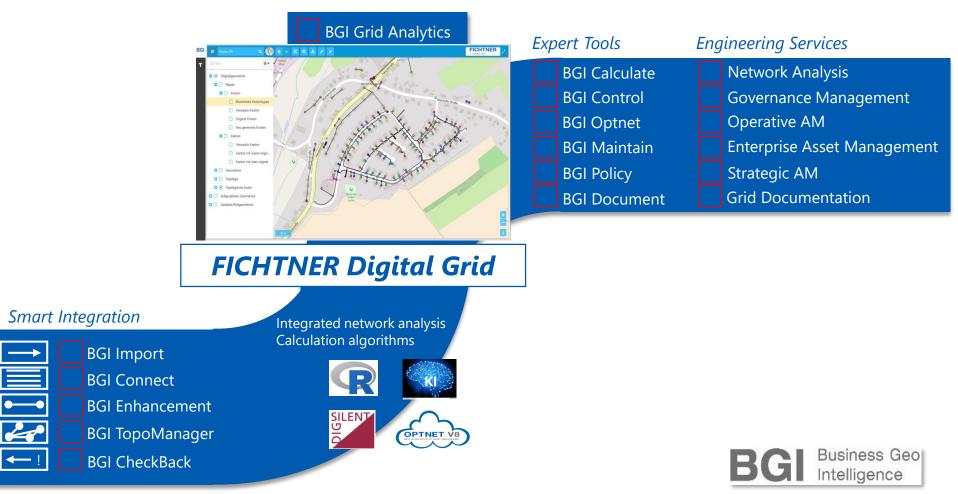
Grid operators need up-to-date and reliable information to meet their requirements



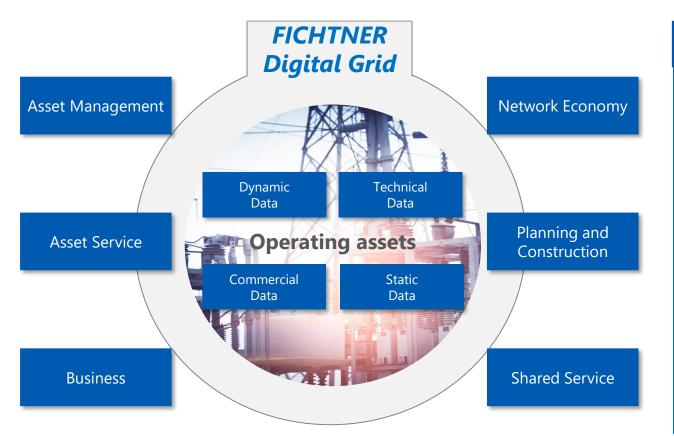
accomplishes comprehensive process support and provides expert modules



has a modular structure and integrates into existing environments in line with the actual demands



offers a synchronized, cross-process view of all facilities in the grid



#### **Typical Questions**

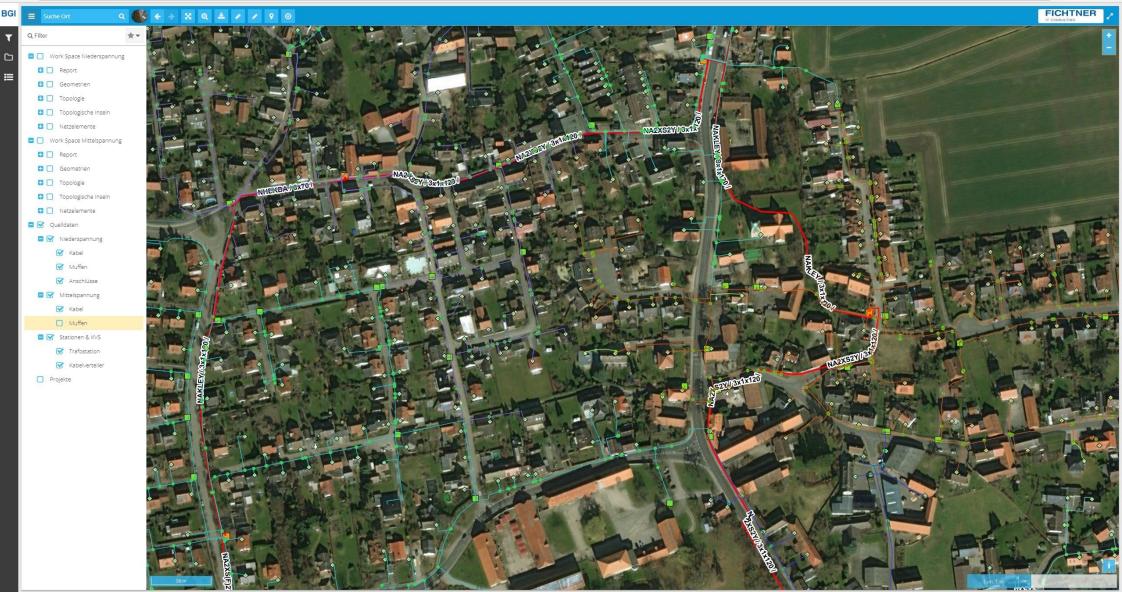
- Which loads are caused by the currently approved new PV systems on a sunny day?
- In what condition is a facility and are there plans for third-party construction in the area?
- What kind of failures did we have in the concession area last year and what were the causes?
- Which property situations need to be taken into account when replanning?

### FICHTNER supports the introduction of the platform with a set of comprehensive

#### consulting services

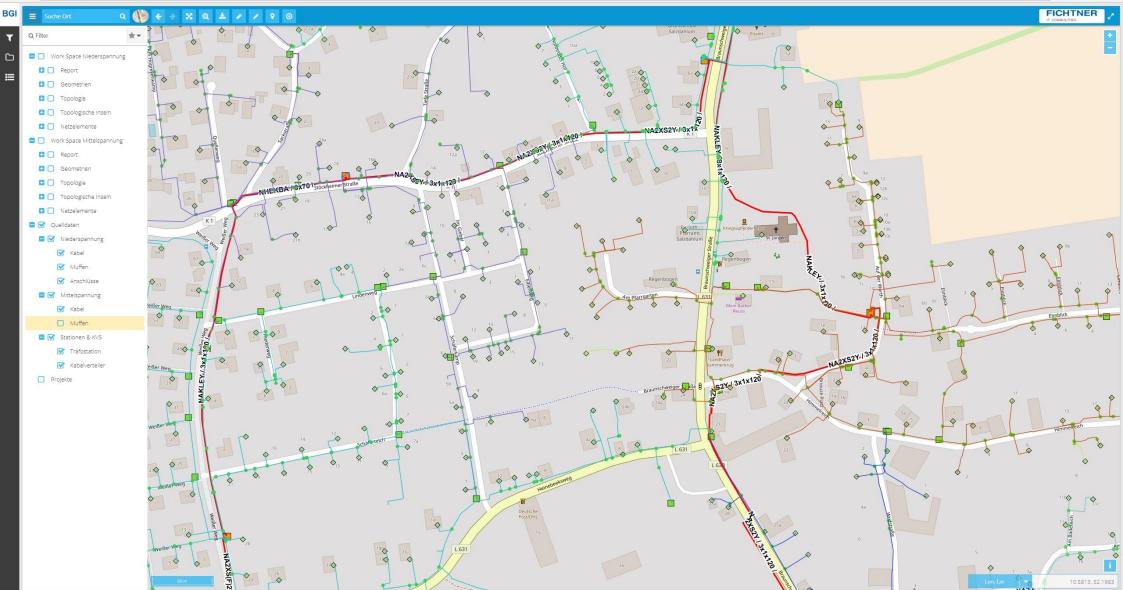
Investigation of the Actual Situation	Strategy and Action Requirements	Conceptualizing the Implementation	Accompanying the Implementation
<ul> <li>process landscape and organizational illustration</li> <li>IT-conditions</li> <li>existing IT- equipment</li> <li>active business models</li> </ul>	<ul> <li>development of a coordinated IT enterprise strategy</li> <li>deriving the need for action</li> <li>process oriented prioritization</li> </ul>	<ul> <li>system expression</li> <li>evaluation of business scenarios</li> <li>concepts for knowledge distribution</li> <li>create a prioritized implementation plan</li> </ul>	<ul> <li>rollout</li> <li>conducting training</li> <li>conceptualization and execution of online training</li> <li>process reviews and optimization</li> </ul>
<ul> <li>evaluation of the integration ratio</li> <li>evaluation of data</li> </ul>		<ul><li> appointment and budget planning</li><li> development of the</li></ul>	
quality		required SLAs	

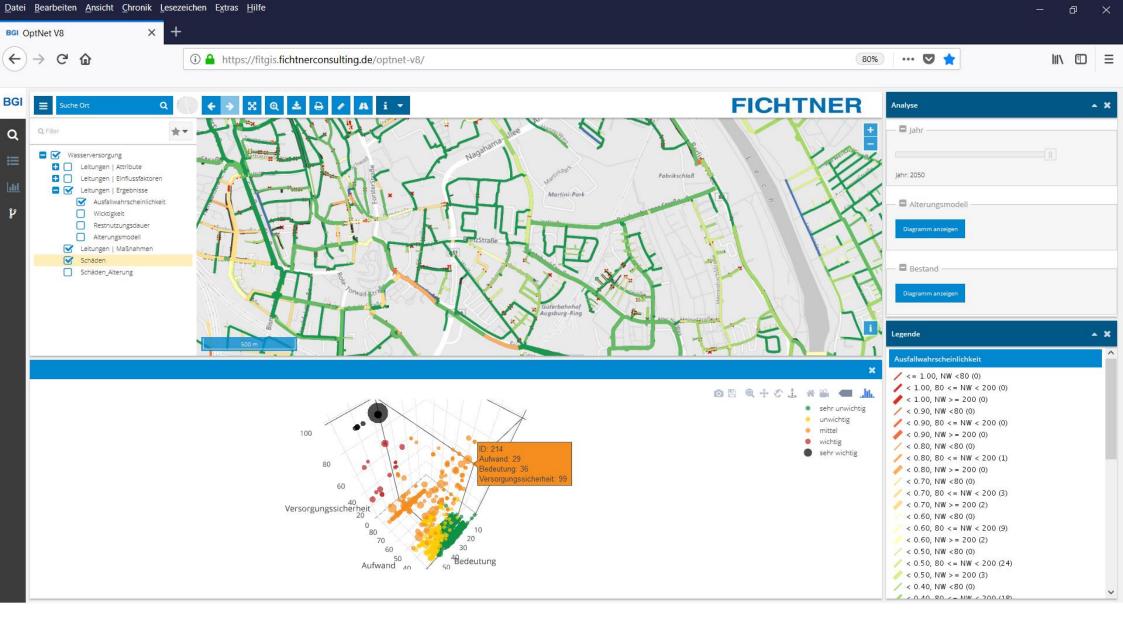
BGI Business Geo Intelligence × ← → C ③ vmpc077:8080/bgi\_wolfenbuettel/

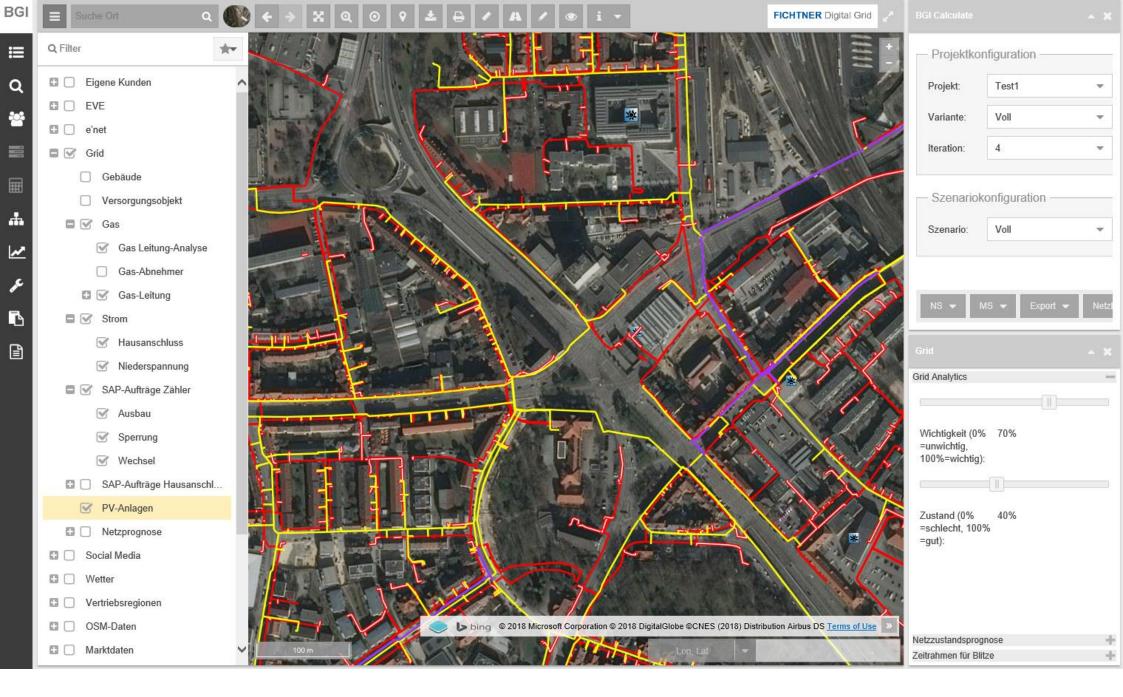












## **FICHTNER**

### Contact

Fichtner GmbH & Co. KG Sarweystrasse 3 70191 Stuttgart Germany www.fichtner.de



Alexander Bohm *Director Business Development* Phone +49 711 8995-435 Cellphone +49 163 8995-435 Alexander.Bohm@fichtner.de

Fichtner GmbH & Co. KG