

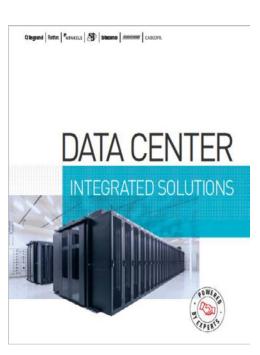
#### **Legrand Data Center Solutions**

#### Four main promises:

- Optimize energy efficiency
- Scalability
- Continuity of service
- Safety & security of equipment & data



# In legrand MINKELS Raritan





#### **ENGIE** worldwide - Activities and key figures







**153,090** employees worldwide



€66.6 billion revenues



Operations in more than **70** countries



€16 billion
growth investments over 2016-2018
€1 billion

in innovation and digital



## **ENGIE** worldwide - Activities and key figures





1 St World's leading independent producer









#### **ENGIE** worldwide - Activities and key figures



#### ENGIE makes technology work for its customers,

with innovative concepts and integrated and sustainable solutions for services, industry and infrastructure.

<u>Data Centers</u>, one of the strategic segments of the group!



**Energy** 

Water



**Data Centers** 



Safety & Security





Agro & Food



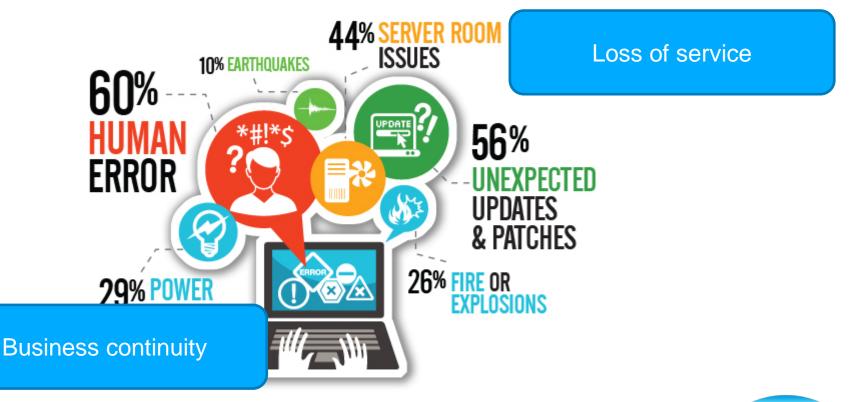
Mobility



Healthcare





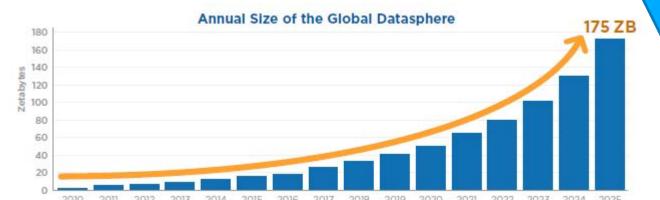






IDC predicts that the Global Dataspehere will grow from

33 Zettabytes
in 2018 to
175 Zettabytes
by 2025



Factor 5!!

Source: Data Age 2025, sponsored by Seagate with data from IDC Global DataSphere, Nov 2018















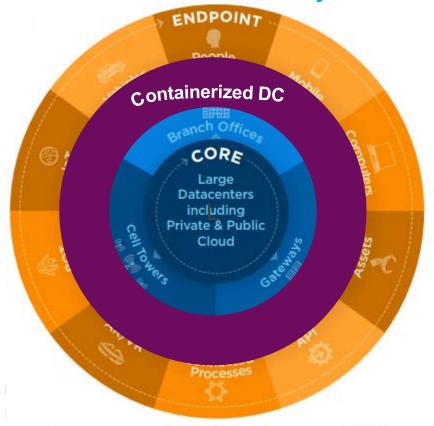






#### **Current situation of the data center eco system**







# Powered by Land

## The solution of Legrand and ENGIE

- Suitable for low, medium and high density solutions, modular from 12 kVA / kW to 110 kVA / kW
- Plug- and-Play prefabricated solution, fully integrated, factory commissioned
- All technical documentation included and up to 5 year extended warranty
- Based on European standard EN-50600

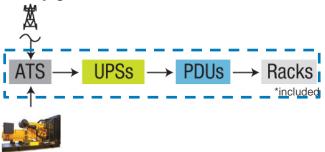


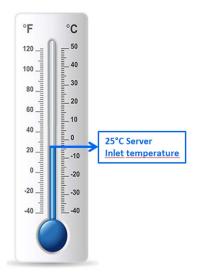


## Powered by Land

### The solution of Legrand and ENGIE

- Integrated ENGIE industrial, PLC controlled, cooling solution with optional indirect free cooling
- Fancoil mounted on top of the server racks
- End-to-end Legrand electrical solution, up to 10 cabinets and A+B Raritan PDU
- Legrand Archimod three-phase modular UPS systems (19" rack cabinets)
   Electricity grid





Backup power generator



# Powered by legrand®

#### The solution of Legrand and ENGIE



More than 275 days of free-air-cooling in Kiev!



## The solution of Legrand and ENGIE





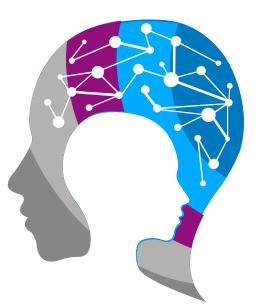


## Possible use case of the Legrand and ENGIE solution



#### High density & Private cloud

- On-premise solution
- Healthcare / Education



#### Edge / Fog data center

- IoT hub
- (5G) Content delivery
- Smart-X (cities/factories)

#### Consolidation

- Redundancy
- Leased office space
- Retrofit

#### Remote and/or Harsh locations

- Mining
- Oil&Gas



## Summary of the solution of Legrand and ENGIE



- Fit for your purpose, due to modular design and online configurator
- Real plug & play! Only power and data connectivity required, operational within 3 months
- Extra width unit 3 meters, with cold/hot aisle, easy to manoeuvre inside the data center
- True mobile, from shut down to operational within two hours
- Cooling and electrical redundancy
- Free-air-cooling results in a very low PuE
- Realtime insights in the performance of your EMDC





### The key message

## **la** legrand

#### Our world is changing rapidly!

- Time is ticking all needs to be quicker and more efficient
- Moving from centralized to decentralized eco-system
- Containerized data centers are the solution

With the ENGIE and Legrand EMDC your ready for the next data center step





#### **Contact information**





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