



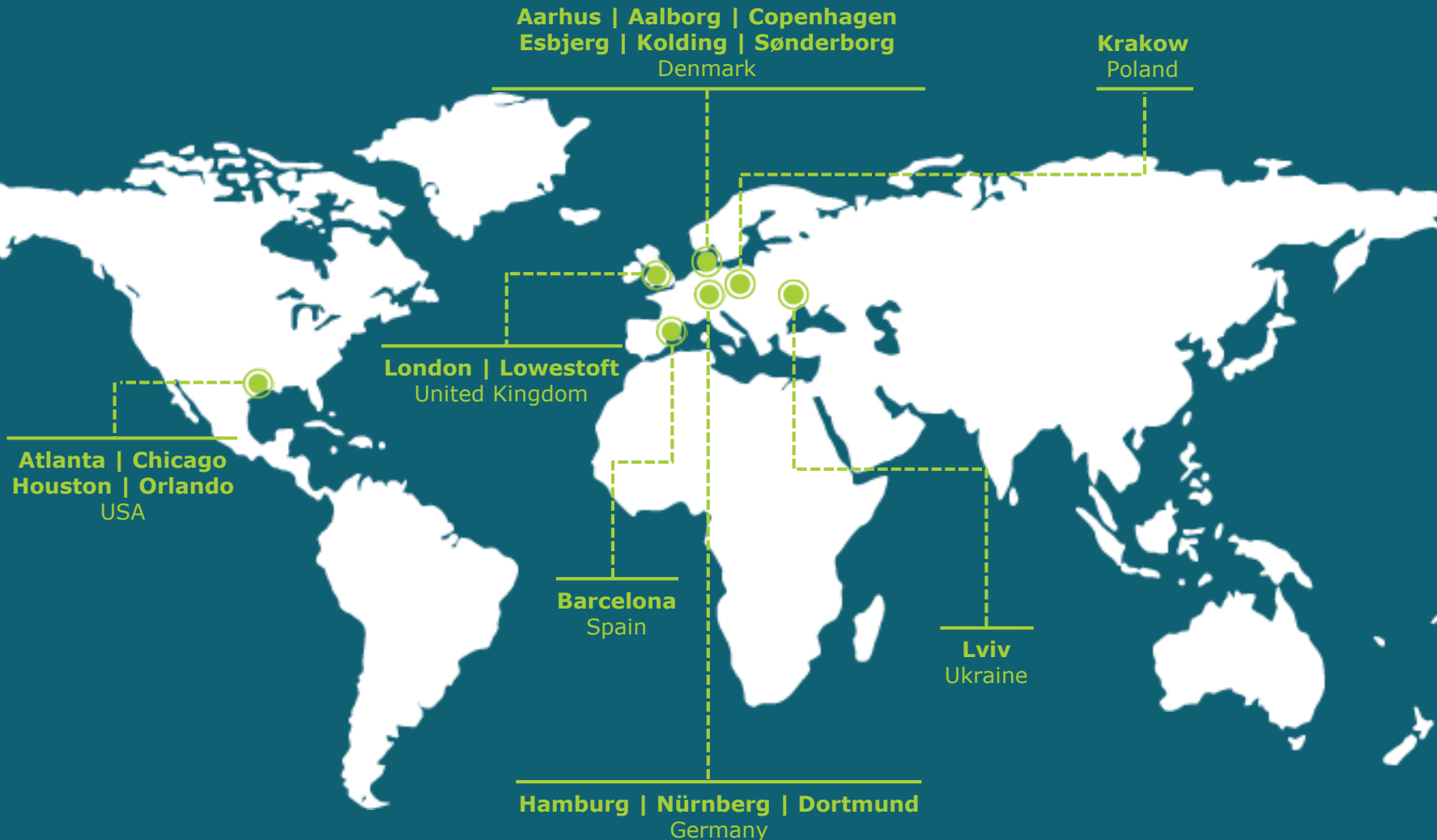
DIS/CREADIS

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- Founded in 1997
- +500 employees
- 18 offices in Denmark, Germany, Poland, Spain, Ukraine, United Kingdom and USA
- In Denmark we are called DIS and internationally we are CREADIS
- Certified:
- 6x nominated for EY Entrepreneur Of The Year Award
- 7x nominated for Gazelle Company Award
- Awarded as:
 - One of Europe's Best Workplaces for engineers
 - Denmark's Best Workplace for engineers



WORLD OF DIS/CREADIS



INTEGRATED COMPETENCES

Cross disciplinary collaboration is in the DIS/CREADIS DNA, this:

- Ensures the best experts for the toughest problems
- Leads to high-quality results and mitigates risks
- Promotes simplicity
- Fosters responsiveness
- Increases innovation efficiency



ELECTRICAL



MECHANICS



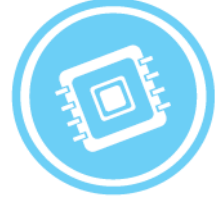
SOFTWARE



AUTOMATION



PROJECT
MANAGEMENT



HARDWARE



BUSINESS
CONSULTING



OPERATION &
MAINTENANCE



PRODUCTION
EQUIPMENT

DIS/CREADIS WIND ENERGY EXPERIENCE

NACELLE

- Cooling & Lubrication
- Drive train
- Machine frame
- Nacelle components
- Yaw system
- FEM

HUB

- Pitch control
- Hydraulics
- Power transfer
- FEM

LOADS & CONTROLS

- Load definition and calculations
- Load reduction strategies
- Control algorithms

ELECTRICAL SYSTEMS

- Converter system
- Power electronics
- Converter software
- Controller PCB & Software
- Control system design
- Electrical system design
- Safety systems
- Transformer/Switch gear

TOWER

- Tower design
- Internals
- Cabling
- FEM

BLADES

- Production methods
- Production equipment
- Cost out redesign and implementation

AUXILIARY EQUIPMENT

- Transport equipment
- Logistics setup
- Port handling, Lifting & loading equipment
- Assembly rigs

ASSET MANAGEMENT

- Asset Register (RDS-PP)
- Failure Modes standardisation
- Documentation structure and ERP
- Maintenance strategy optimisation
- Condition Based Maintenance
- FMEA
- EoW and LTE analysis
- WTG retrofit solutions



DESIGN & ENGINEERING

PRODUCTION & EQUIPMENT

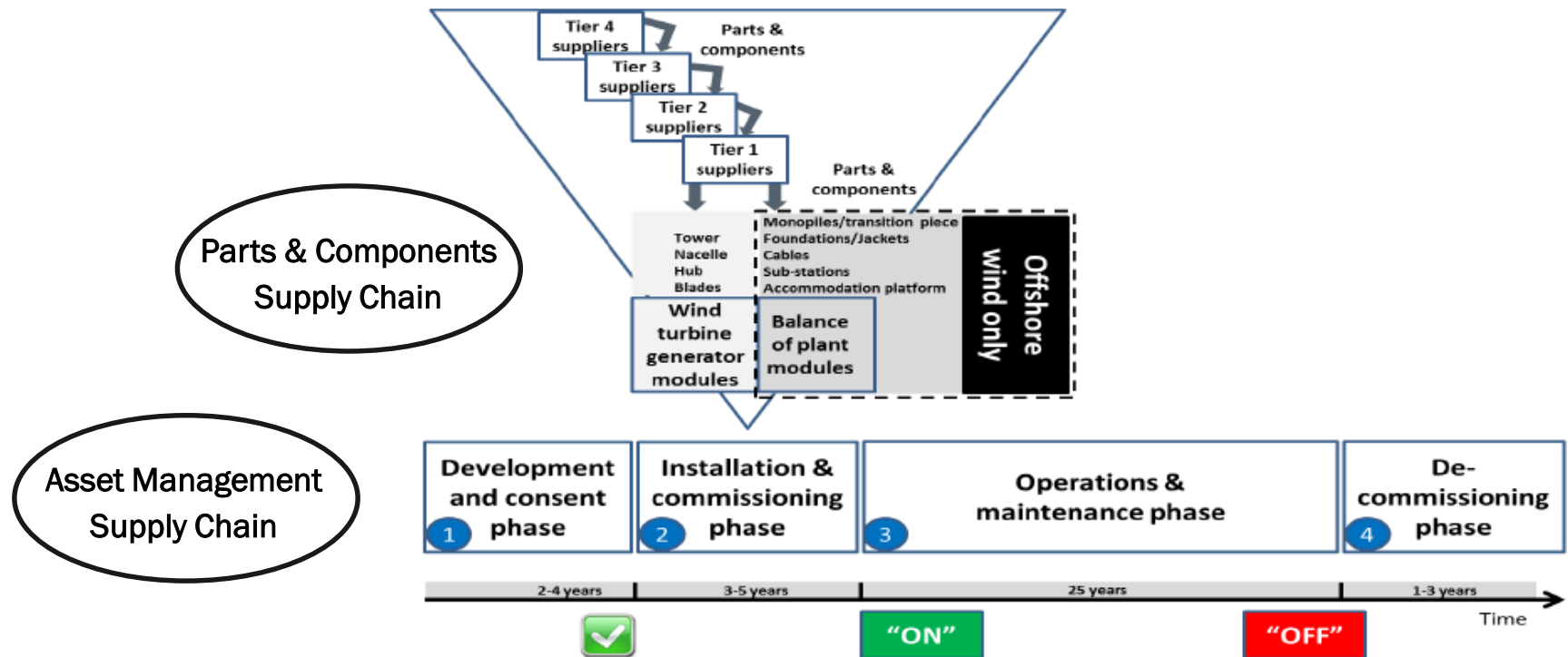
ASSET MANAGEMENT

SUPPLY CHAIN & COST OUT

SYSTEM ENGINEERING

PROJECT MANAGEMENT

WIND INDUSTRY SUPPLY CHAIN PERSPECTIVE





DIS/CREADIS

// WE ENABLE BUSINESS