

More than green: The DGNB certification system for sustainable buildings and districts



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The DGNB

**The Knowledge Platform for
Sustainable Construction**



Academy



Navigator



System

The DGNB in Numbers

>2,100

DGNB
certifications
worldwide



Internationally
applicable



2,700 experts
worldwide

1,200

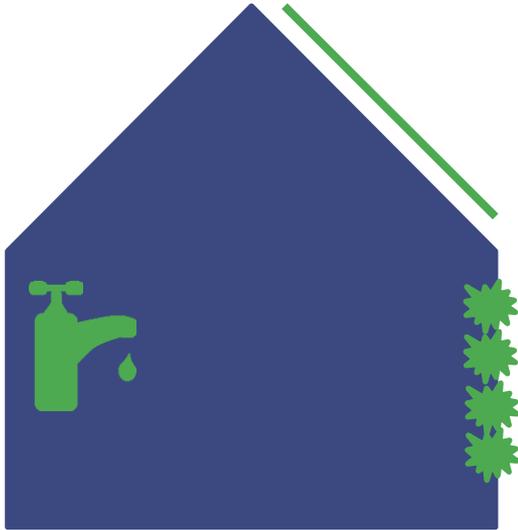
Member
organizations

6 qualities



Rating Tool: Based on a Checklist

Input

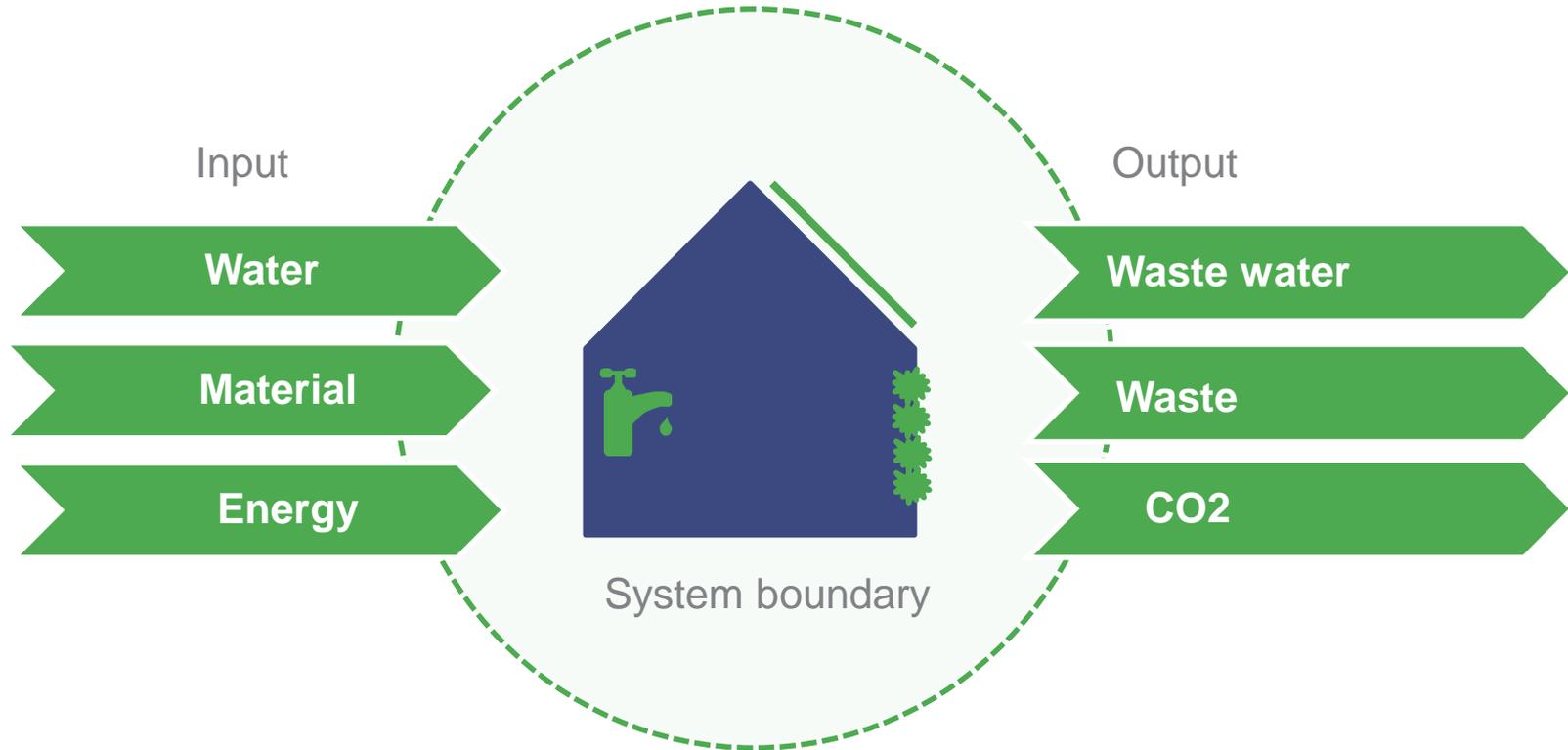


Output



Photovoltaic system	✓
Water-saving fittings	✓
Geothermal energy	X
Greening	✓
Small wind turbine	X
Lighting control	X

Certification System: Evaluation of the Performance



DGNB System – A holistic Approach



What makes the DGNB System unique?



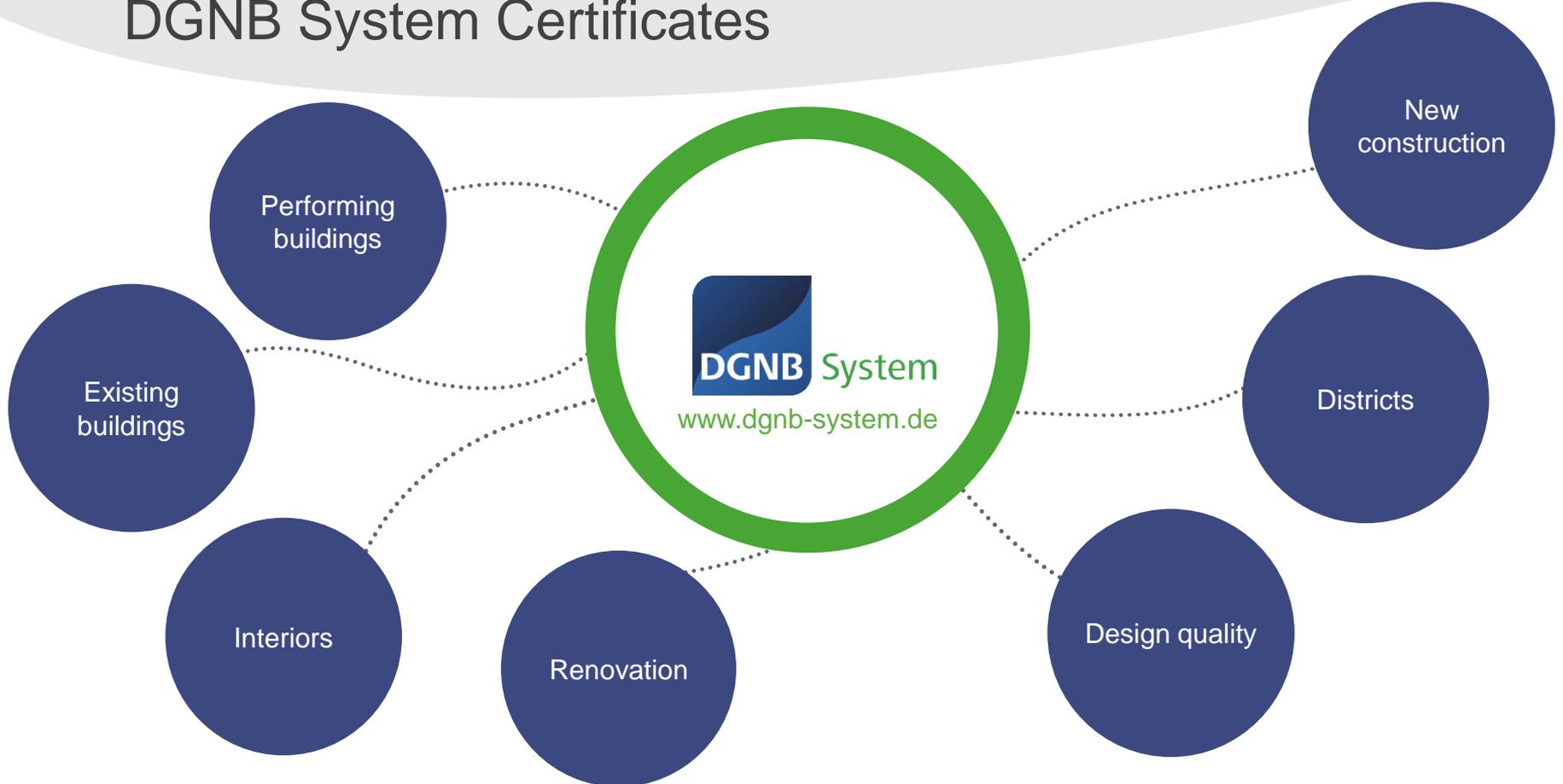
Developed by members for members

Life cycle
incorporated in all
calculations

Equal consideration
for Ecological,
economic, socio-
cultural and aspects

**Overall-performance
oriented**, rather than
focus on individual
measures

Sustainable Building - DGNB System Certificates



DGNB Certificate „Districts“

Districts

Schemes Districts

- Urban districts
- Office and business districts
- Event areas
- Industrial locations



Certification of Districts and Industrial Locations



Version 2016



Version 2016



Pilotversion 2014



Pilotversion 2016

Urban Districts

Nordhaven, Copenhagen
DGNB Gold Pre-Certificate



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Urban Districts

Maidar EcoCity+, Mongolei
DGNB Platinum Pre-Certificate



www.maidarcity.com



Criteria Overview Districts (Version 2016)



- LCA - emissions. environmental effects
- biodiversity
- city climate
- environmental risks
- Water and soil protection
- LCA - resource consumption
- Water cycle systems
- land use



- Lifecycle costs
- Fiscal effect on the municipality
- Resilience and adaptability
- Space efficiency
- stability of value



- Thermal comfort in open space
- Open space
- Emissions / immissions
- Accessibility
- Urban Design
- Social and functional mix
- Social and economic infrastructure



- Energy infrastructure
- Waste Management
- Smart Infrastructure
- Mobility infrastructure



- Integral planning
- Participation
- Project management
- Governance
- Monitoring

DGNB University Cooperation



Goals

Promotion of Sustainable Planning and Building

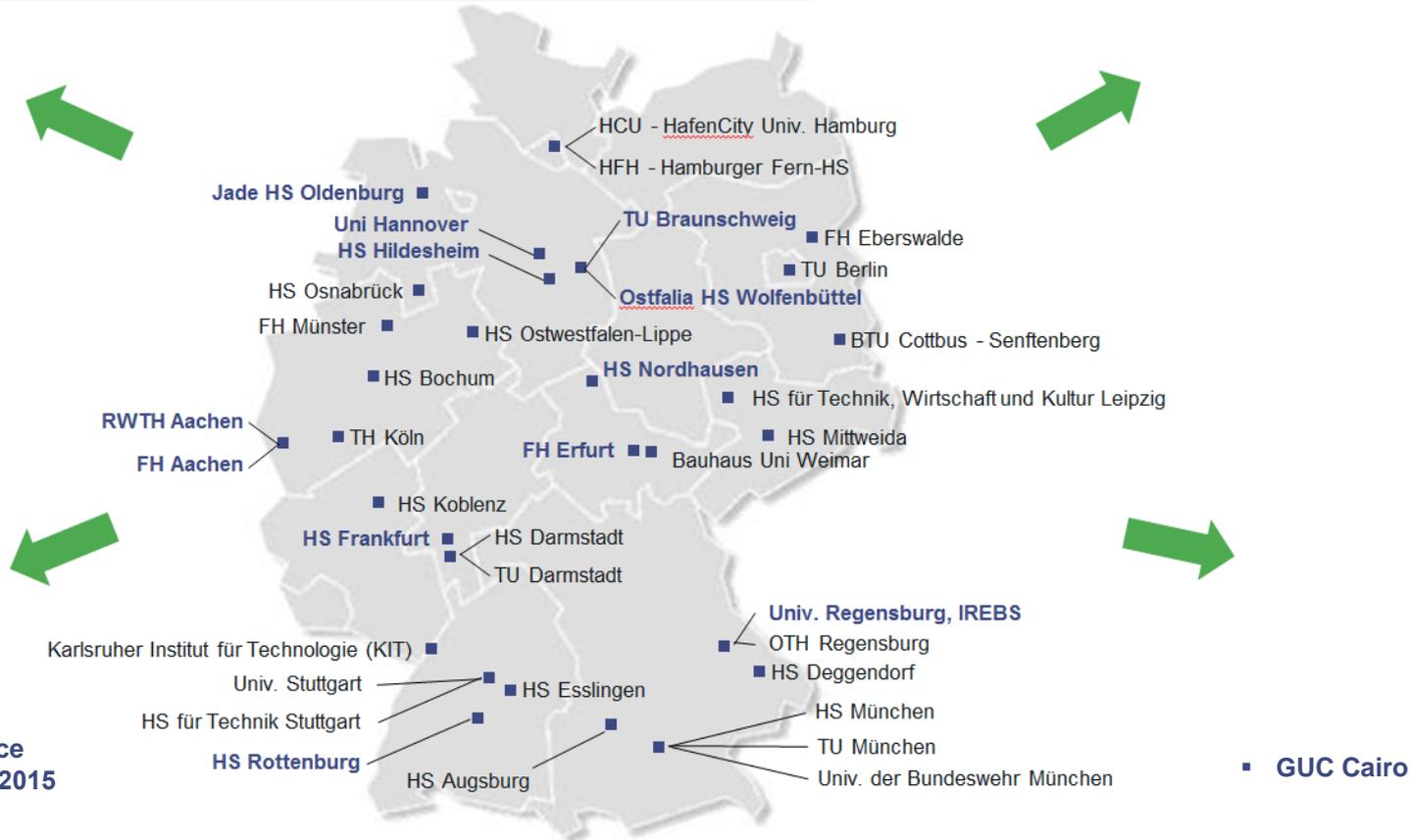
Networking: Intensification of professional exchange between the universities

Teaching:

- Integration of the DGNB Basic Knowledge
- Educational opportunities for students and employees with trainings for the degree **DGNB Registered Professional**

Research: Initiation and implementation of common research projects with municipalities and companies

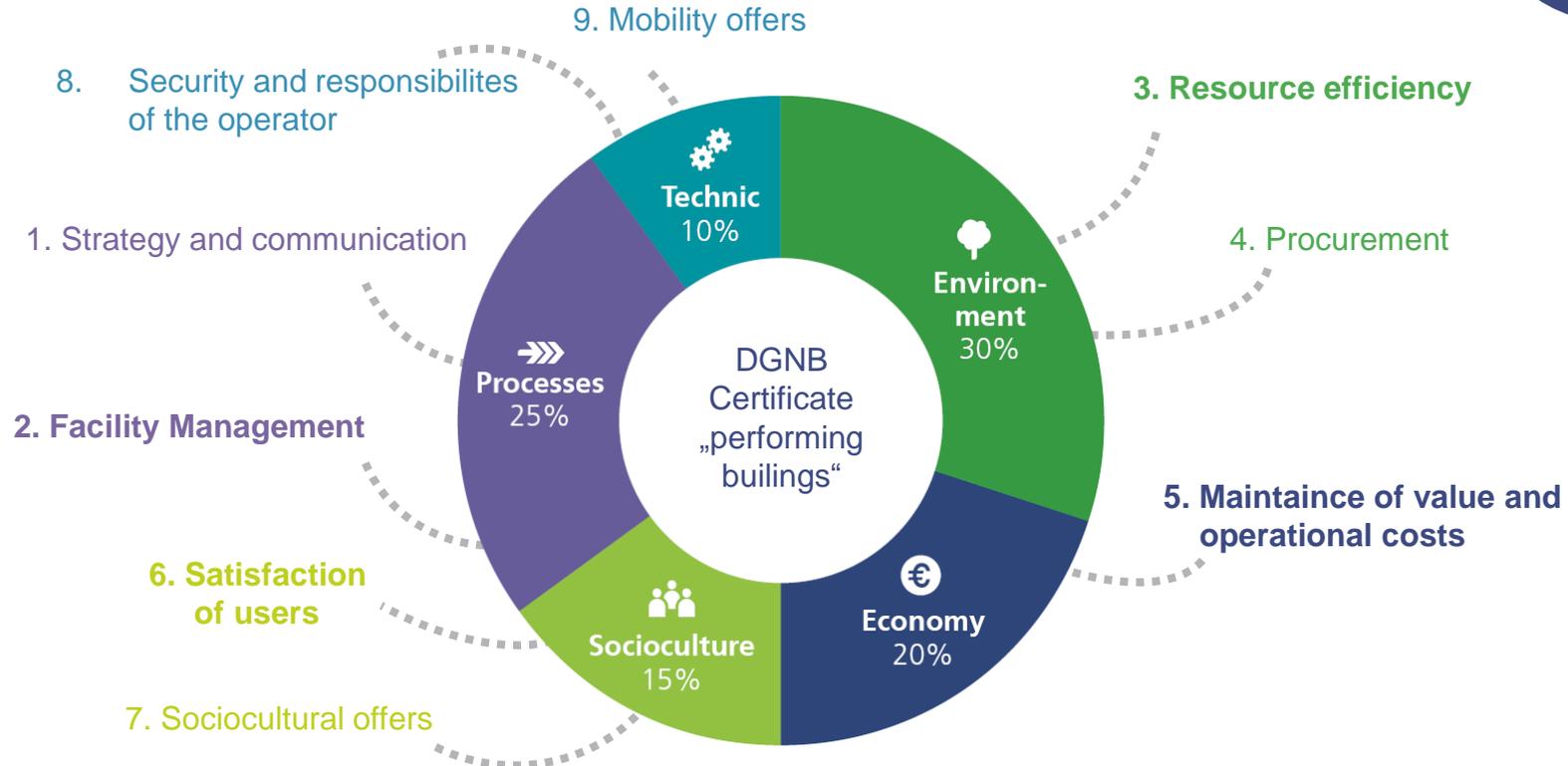
Partners of the DGNB University Cooperation



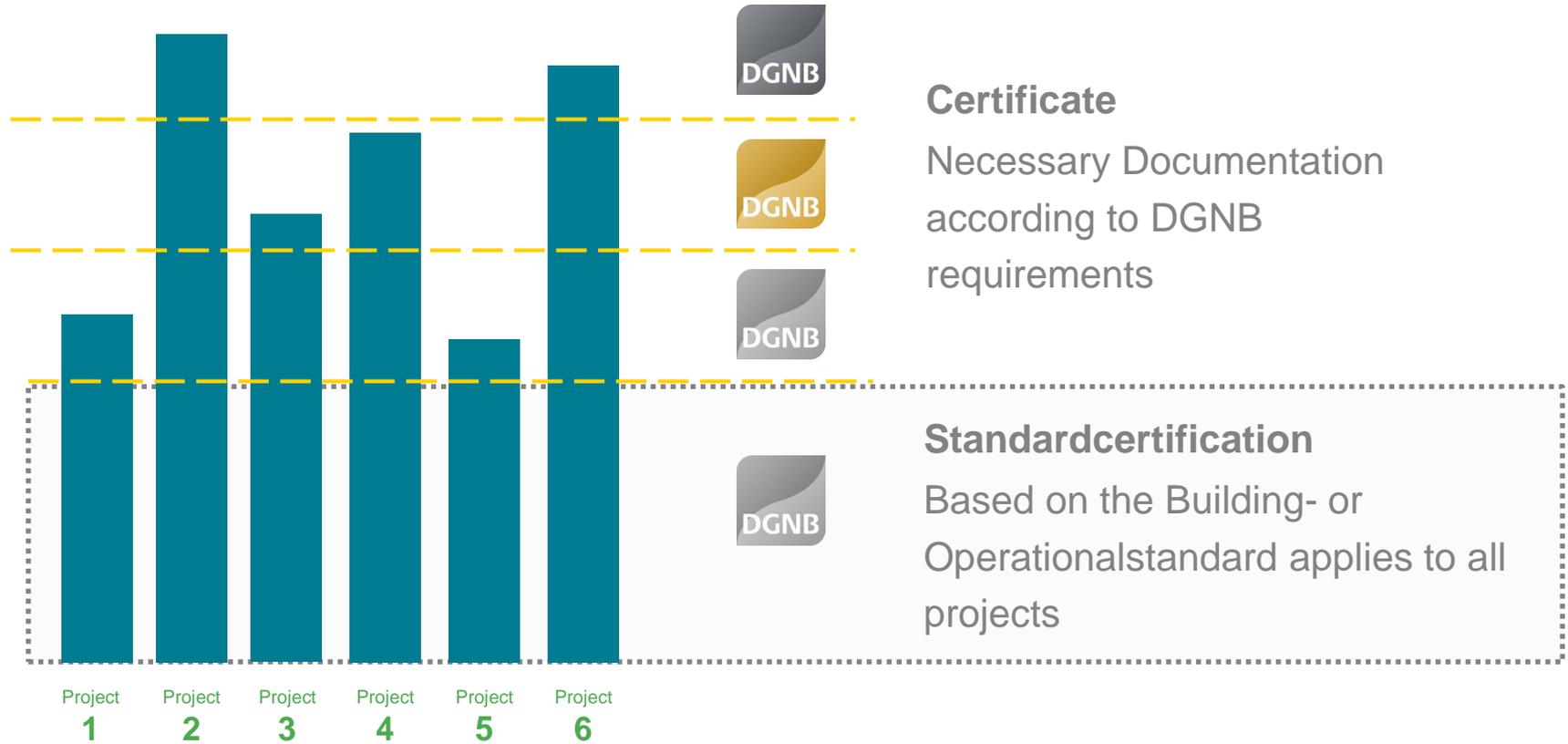
New Partners since
„University Day“ 2015

Performing Buildings – Evaluation Criteria at a Glance

Performing
buildings

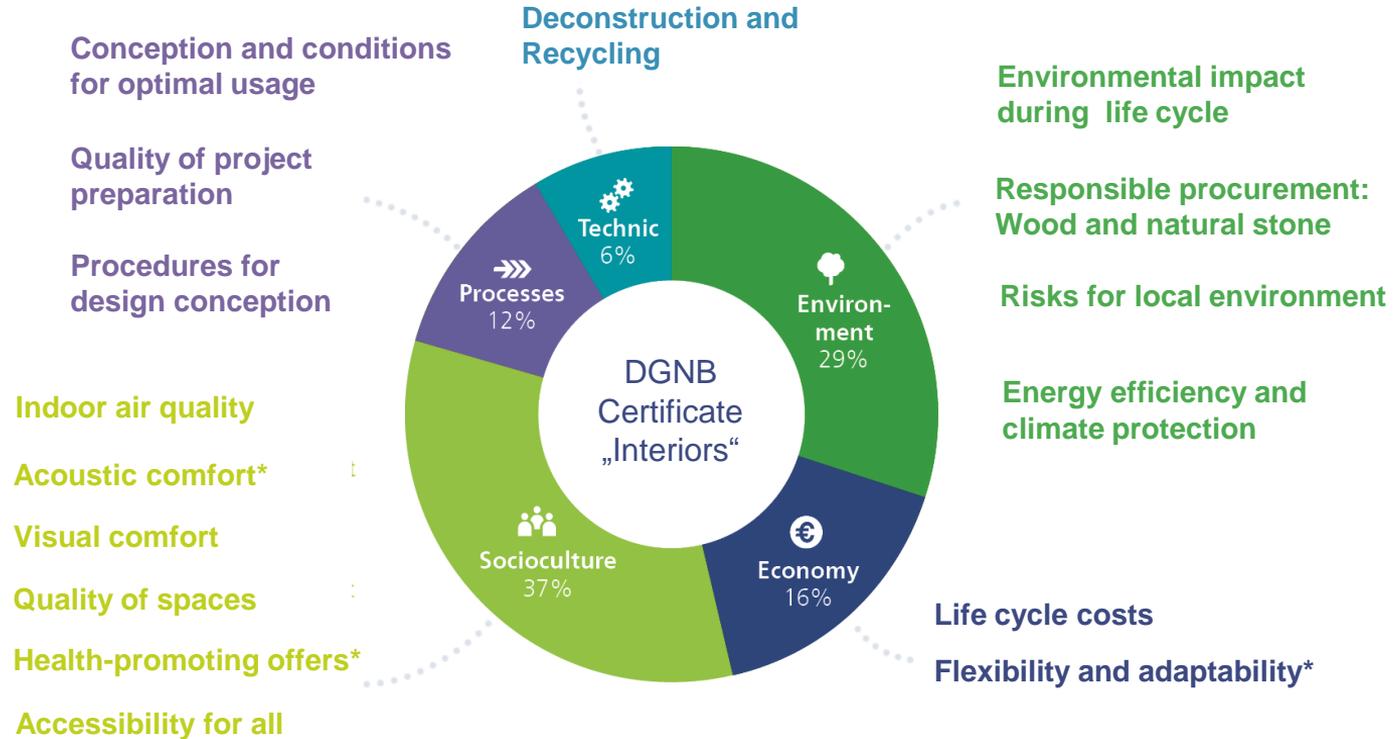


DGNB Building and Operation Standardcertification



„Interiors“ - Evaluation Criteria at a Glance

Interiors



*only office

Contact

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DGNB

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