Guideline for Sustainable Building
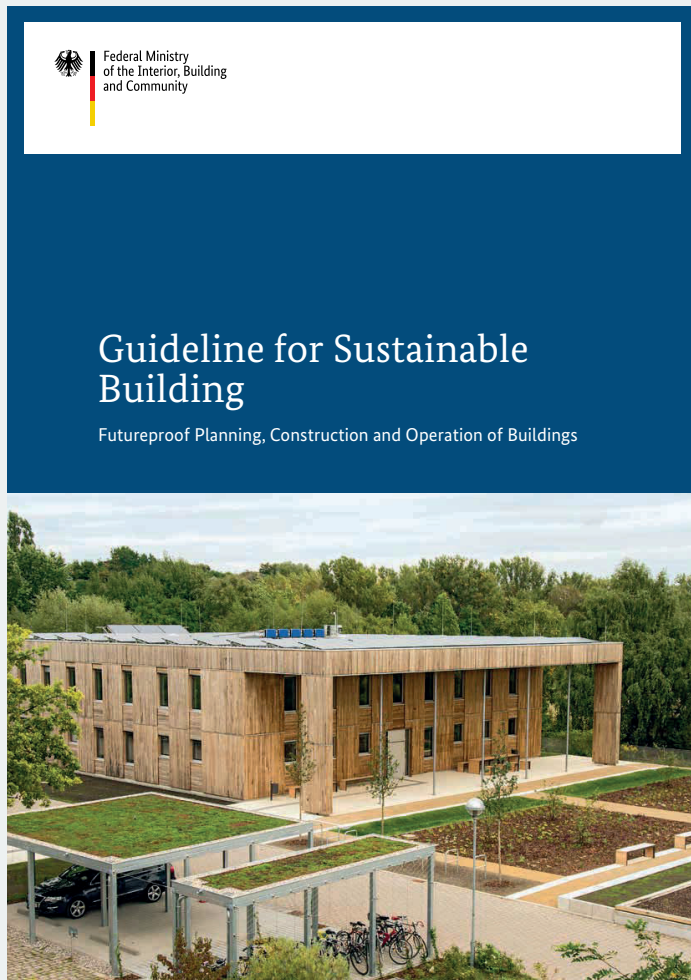## Future-Proof Planning, Construction and Operation

Guideline for Sustainable Building

Futureproof Planning, Construction and Operation of Buildings

Introduced in 2001 the Guideline for Sustainable Building is continually being under further development with regard to the Assessment System for Sustainable Building for Federal Buildings (BNB). The Guideline provides general principles and methods of sustainable design. It offers a specific practical aid for planning, construction, structural maintenance, operation and utilisation.

The application of the Guideline is mandatory for federal building measurements. Thereby the Federal German Government has set itself the binding quality level "Silver". It can also be used by other building authorities for construction, such as the Federal States and municipalities as well as the private sector.

Content and Structure
The Sustainable Building Guide provides four sections, which are based on the life cycle of buildings.

Part A provides general principles and methods of sustainable design, construction, use and operation. Part B presents concrete duties regarding to a sustainable building design. These refer equally to new building and modernisation.
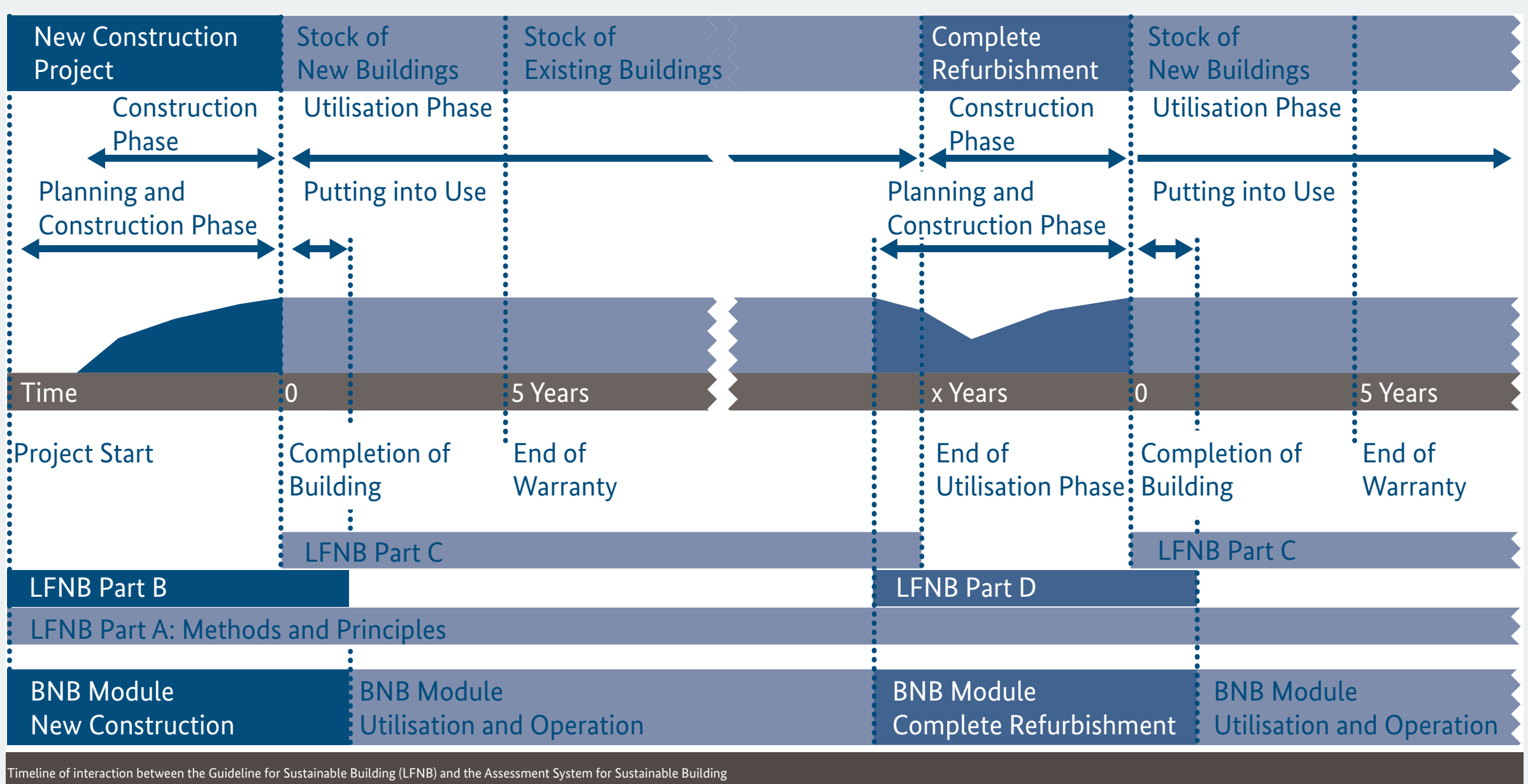
Part C describes recommendations for the optimisation of utilisation and management processes according to the criteria of the Assessment System for Sustainable Building. Part D focuses on specific requirements of building stock and refurbishment. Thereby it is a complement of the basic principles and requirements of part A and B.

General Principles and Methods
- Interdependence between protective goods and objectives
- Importance of holistic optimisation between ecological, economic, sociocultural, functional and technical issues
- Influence of high process quality in the design and construction stage
- Application of system variants and modules of the BNB-System

Practical Aid
- Specific duties regarding a sustainable building design for both new building and refurbishment
- Requirements and assessment criteria
- Benchmarks and objectives
- Tools and supporting documents

New Construction Project	Stock of New Buildings	Stock of Existing Buildings		Complete Refurbishment	Stock of New Buildings
Construction Phase	Utilisation Phase			Construction Phase	Utilisation Phase
Planning and Construction Phase	Putting into Use			Planning and Construction Phase	Putting into Use
Time	0	5 Years		x Years	0	5 Years
Project Start	Completion of Building	End of Warranty		End of Utilisation Phase	Completion of Building	End of Warranty
	LFNB Part C				LFNB Part C
LFNB Part B				LFNB Part D	
LFNB Part A: Methods and Principles					
BNB Module New Construction	BNB Module Utilisation and Operation			BNB Module Complete Refurbishment	BNB Module Utilisation and Operation

Timeline of interaction between the Guideline for Sustainable Building (LFNB) and the Assessment System for Sustainable Building