

**Finnish-German BIM-Seminar and Networking Event:  
Shaping the Future of Built Environment through BIM**  
8.5.2023, Nordic Embassies Berlin

**Policy Initiatives by the German Federal Government  
to advance BIM deployment and digitalization  
in the Infrastructure Sector**

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**BIM-Implementation Strategies  
at Federal Level**



Implementierung von Building Information Modeling (BIM) im Vorstandsressort Infrastruktur der Deutschen Bahn AG



## Federal Government BIM Policy Initiatives – Objectives and envisaged Impacts

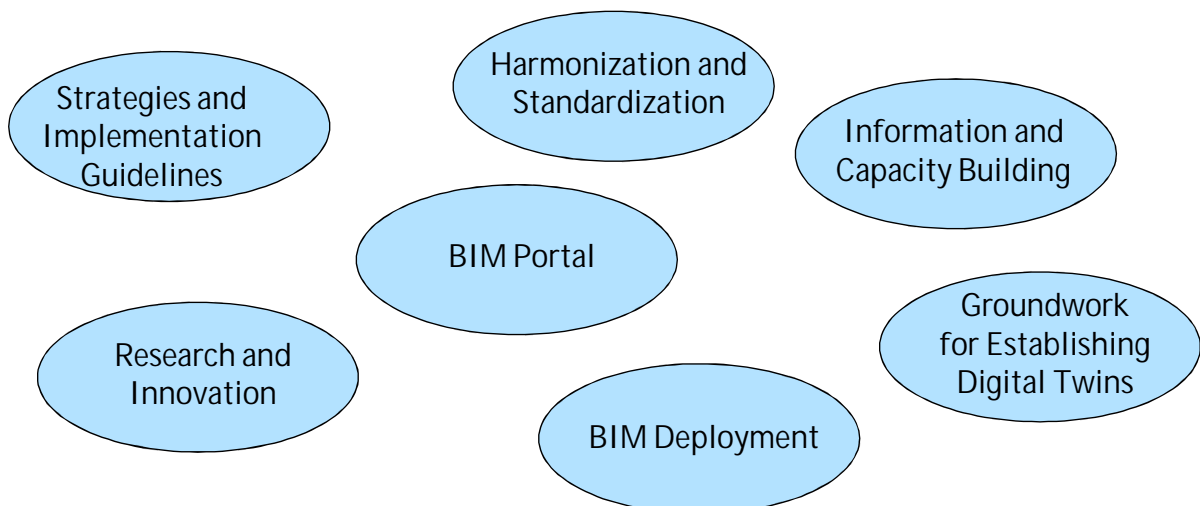
Key: Supporting the digital transformation of the infrastructure, planning and construction sectors through advancing deployment of BIM and Digital Twins

### Contributing to:

- Enhanced efficiency and reducing emissions across the entire life cycle of infrastructure, public, commercial and residential buildings
- Extending the overall data space for infrastructure and buildings
- Improved public consultation processes in planning and transport
- Supporting market participation of SMEs and international competitiveness of Construction Companies and Developers

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## The Range of Federal Government Policy Interventions to support the Digital Transformation of Planning, Construction and Infrastructure



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## BIM Deutschland – National Center for Information, Networking and Capacity Building

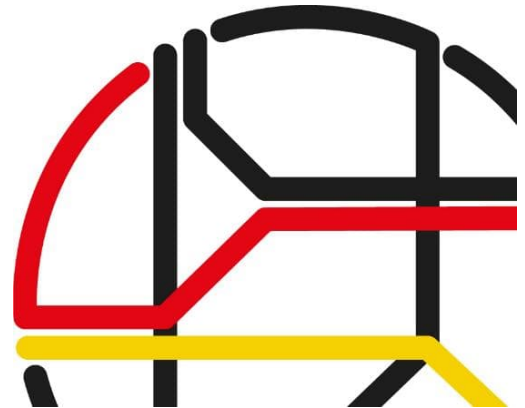


**BIM** Zentrum für die  
Digitalisierung  
des Bauwesens  
**Deutschland**

BIM Deutschland, serving as National Center for  
BIM information, harmonization and consultation

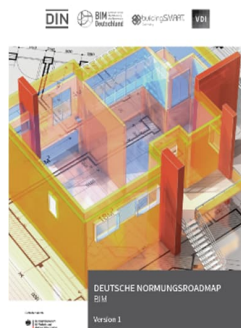
- Jointly established and financed by the  
Federal Ministry for Digital and Transport  
and the Federal Ministry of Housing,  
Urban Development and Building
- Ensuring harmonized and coordinated  
BIM-deployment across Sectors

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## BIM Standardization and Harmonization

- BIM-  
Standardization  
Roadmap  
(DIN 2022)
- Contributing to  
national and  
international  
Standards  
Committees



- Technical Documents  
for BIM Deployment



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## BIM-Portal of the Federal Government as technical Plattform and collaborative Process



**BIM Deutschland**

Leichte Sprache Hilfe Registrieren Anmelden

### Startseite

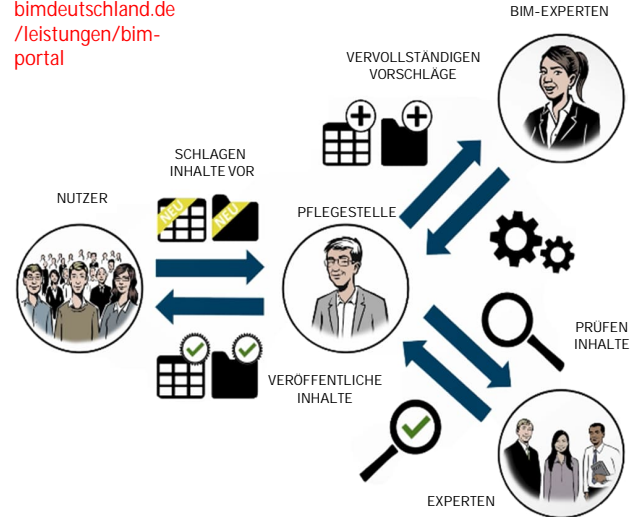
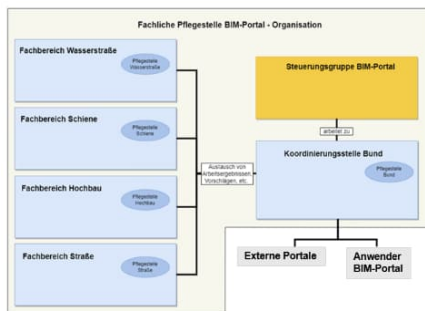
Das BIM-Portal des Bundes

**Merkmale**

- AIA
- Objektvorlagen
- Prüfwerkzeuge

**Building Information Modeling (BIM)** ermöglicht die Einführung moderner, IT-gestützter Prozesse und Technologien bei Planung, Bau und Betrieb von Bauwerken. Dafür bedarf es eines effizienten Datenaustausches zwischen den Akteuren. Das BIM-Portal unterstützt öffentliche Auftraggeber bei der BIM-gerechten Definition ihres Informationsbedarfs sowie andere Auftraggeber bei der qualitätsgesicherten Übermittlung entsprechender Informationsmodelle. Zu den notwendigen Informationen gehören insbesondere Angaben darüber, wie, wann, in welcher Detaillierung und in welchem Format die angeforderten Daten liefern soll, damit der Auftraggeber seine Prozesse steuern und ggf. notwendige

<https://www.bimdeutschland.de/leistungen/bim-portal>



## The BIM Portal in the context of the Digital Strategy Germany



- In August 2022, the Federal Government published the Digital Strategy Germany
- Based on a broad-based consultation process with civil society, the research community and industry
- BIM-Portal included as Landmark Project

## BIM Networking and Knowledge Exchange Activities 2022/2023

- Oct. 2022: Public Go-Live of the BIM-Portal with Ministers Dr. Wissing and Geywitz / BIM-Ideathon
- BIM-Portal Dialogue Forum in Dec. 2022
- 2023: Online Workshop Series featuring the Portal, targeting different user groups
- Online consultation and training events for BIM practitioners on technical BIM topics

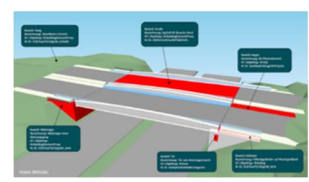
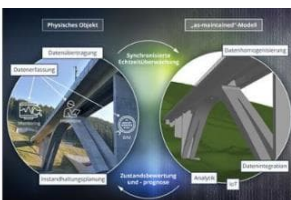


Wissing and Geywitz kick-start platform to support digital planning, construction and operation

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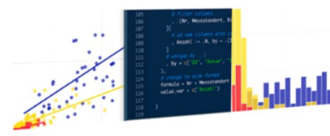
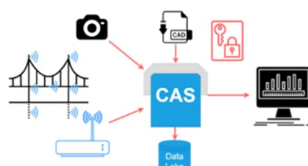
## Research and Innovation for BIM, Digital Twins, data-based Infrastructure Management

- Wide range of BMDV-funded projects with an est. total grant volume > 50 Mill. Euros,
- addressing innovations for BIM deployment, integration with GIS, AI and new surveying methods and sensor technologies



Project profiles:  
<http://bmdv.bund.de>

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## Next Steps: Establishing Digital Twins and comprehensive digitalization in Infrastructure Management – crossing the bridge between research and practical deployment



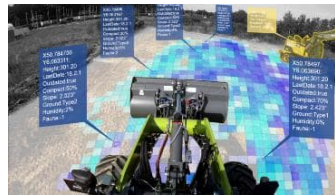
Financial support and leeway for innovative AI projects

2022.12.05 Digital Matters

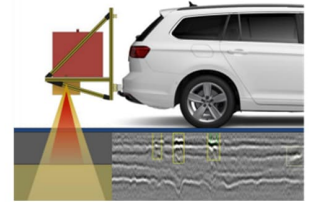


More than one billion additional euros: Federal Government and DB drive forward plans for the 'Digital Rail Germany' programme

2022.12.19 Mobility



RWTH Aachen



TU Kaiserslautern



Photos/further Information:  
<https://bmdv.bund.de/>

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**mobilithek**



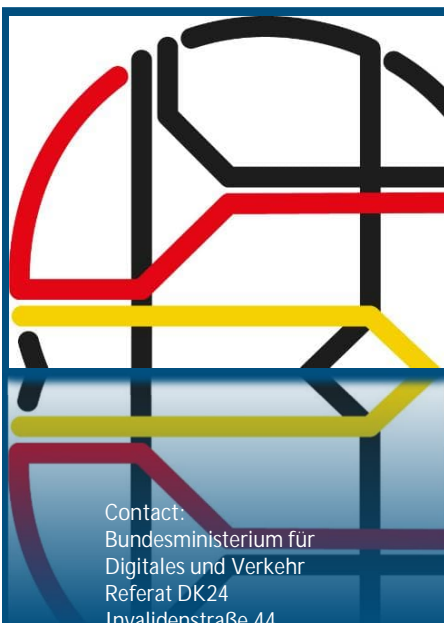
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Stadtmarketing- und Wirtschaftsförderungsgesellschaft Dormagen mbH



A+S Consult GmbH



## Continuing the cross-boundary Knowledge Exchange

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*"...I hold solidly to the doctrine that my task in all these matters is not to find out the faults of foreign people and foreign systems, but to find out their merits in order that we may profit by their wisdom and be stimulated by their good performances."*  
Albert Shaw to William T. Stead, Nov. 29, 1894. In: Rodgers 1998, p.133

<https://www.hup.harvard.edu/catalog.php?isbn=9780674002012&content=reviews>