

Bundesministerium Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie





WE

INNOVATIONS

Innovationlab Digital Findet Stadt

DIGITAL INNOVATION IN THE CONSTRUCTION INDUSTRY

Steffen Robbi | 23.03.2021





Mediahouse Axel Springer, Berlin OMA / Rem Koolhaas





Smart and Connected Building Thing^{IT} @CUBE, Berlin, Germany





Waste Based Bricks De Gouverneur, Rotterdam





Energy Autonomous Apartment Building Vaduz Liechtenstein, Falkeis Architects





CO₂ Neutral Social Housing, GPA-WBV Käthe-Dorsch-Gasse, Vienna





Building Information Modelling BIM: Enabler for Sustainable Buildings













3D Visualization

Time Facilitate programming



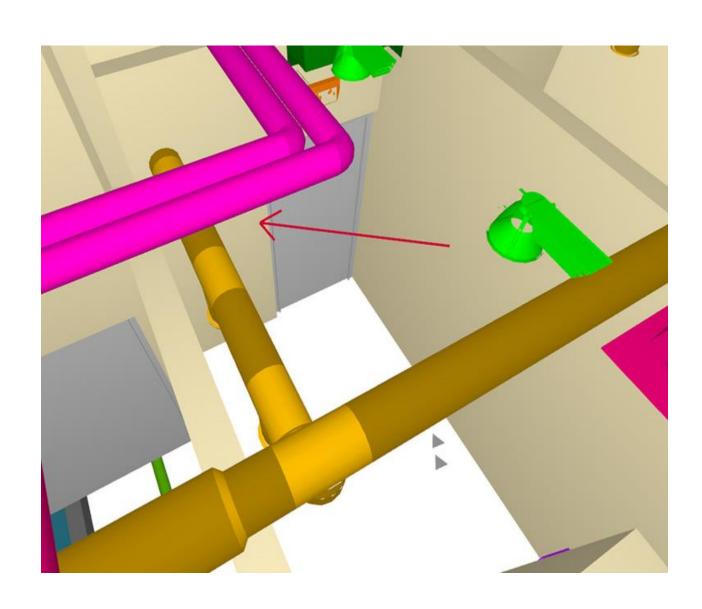
Sustainability Provide environmental and energy-efficiency solution

BIM – enabler for sustainable buildings

Source: cc by 4.0

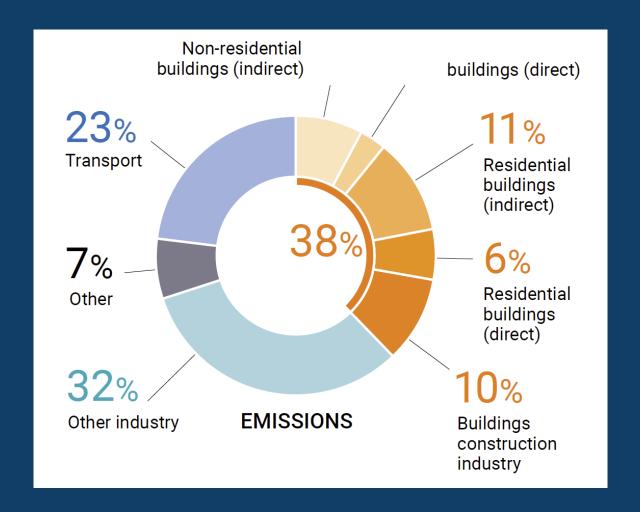


Reducing waste Increasing productivity





38 % of CO₂ Emissions by the building sector



5-15 % of the companies are using BIM

Sources:

UNEP, 2020 GLOBAL STATUS REPORT FOR BUILDINGS AND CONSTRUCTION

Roland Berger 2018; BIM in der Schweizer Immobilienwirtschaft - eine Situationsanalyse - pom+Consulting AG - 2017



Under Pressure: The Building Sector and Emerging Disruptive Technologies



Digitalization of products and processes BIM, IoT, Smart Building, New Sales

Industrialization enabling off site production and 3D printing

New entrants
Disrupting current business
models

New Materials
Enabling improved logistics

Emerging Disruptive Technologies

Source: Global Center for Digital Business Transformation, 2019

Source: Mc Kinsey 2020

Austrias cross-sectoral platform for digital innovation in the building sector

Innovationlab Digital Findet Stadt

Interface between research and industry in order to increase the innovation power of our partners



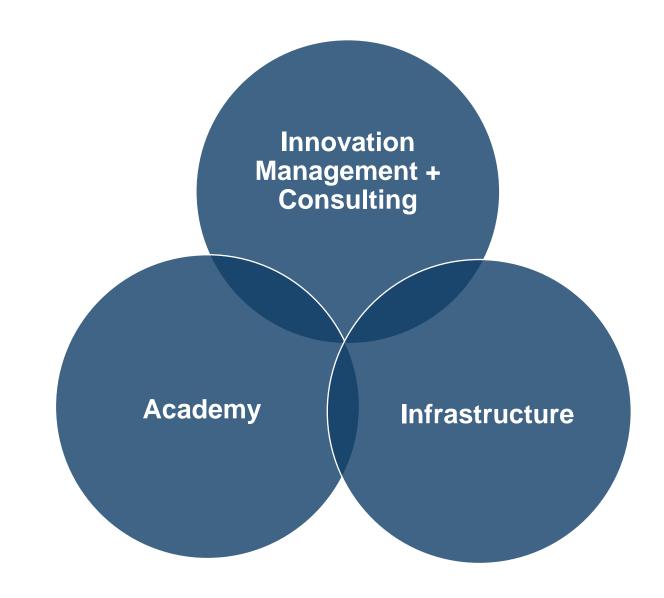


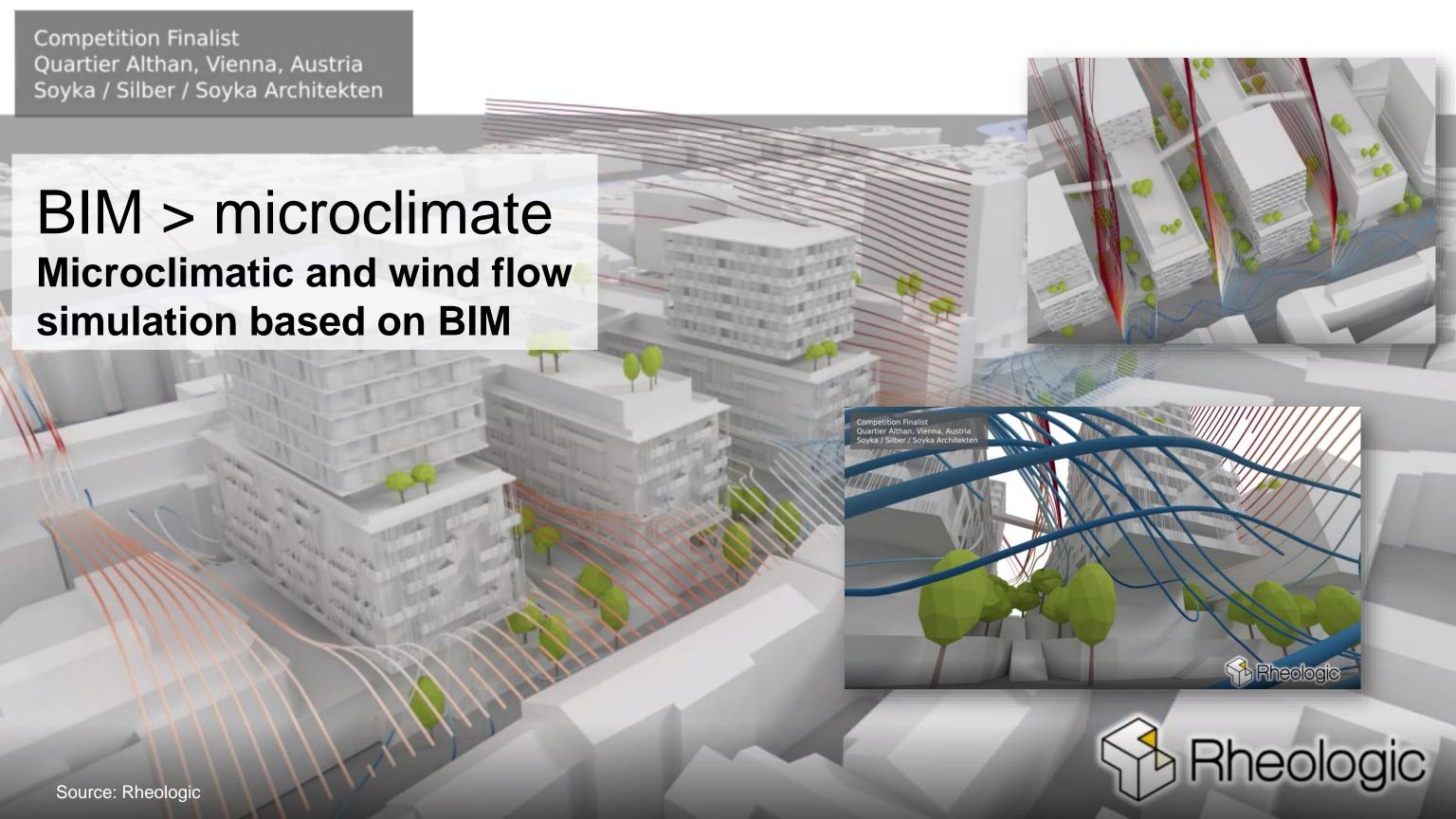
Services

 Innovation Management and Consulting for BIM projects, technology development and research

 Infrastructure for the demonstration of digital solutions and stimulation of pilot projects

Academy for knowledge exchange and further education







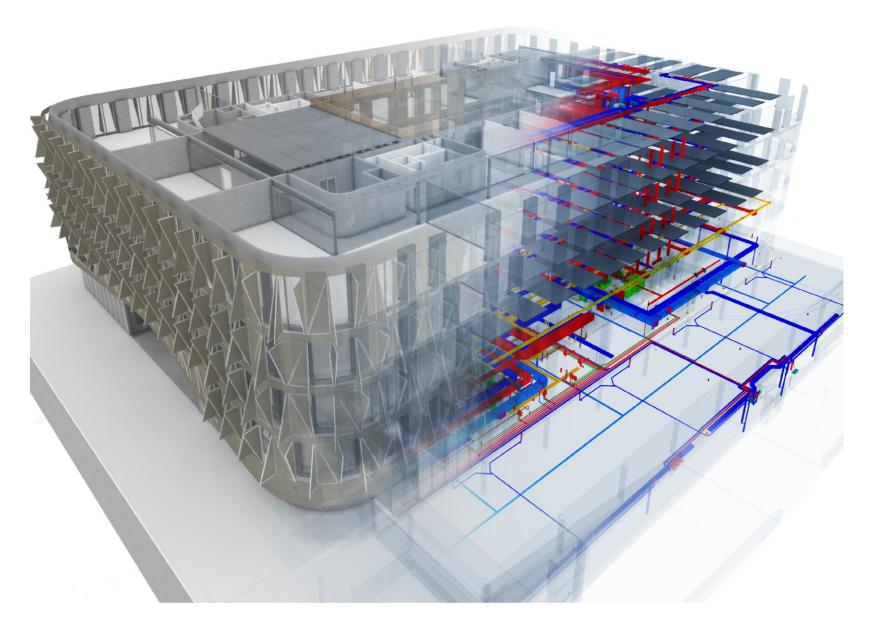
BIM6D

CO₂ calculation based on BIM













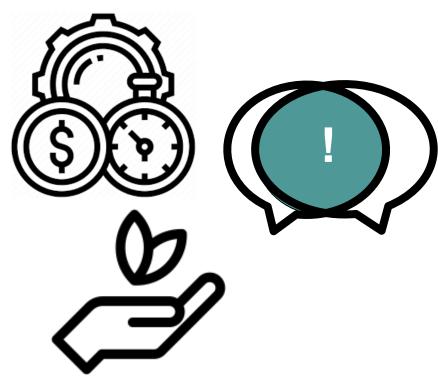
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BIM Properties for the Austrian Building Sector (A.S.I Merkmalserver)

"A common language as a requirement for sustainable and efficient projects!"



PARTNER FOR REALIZATION







FIRST MOVER



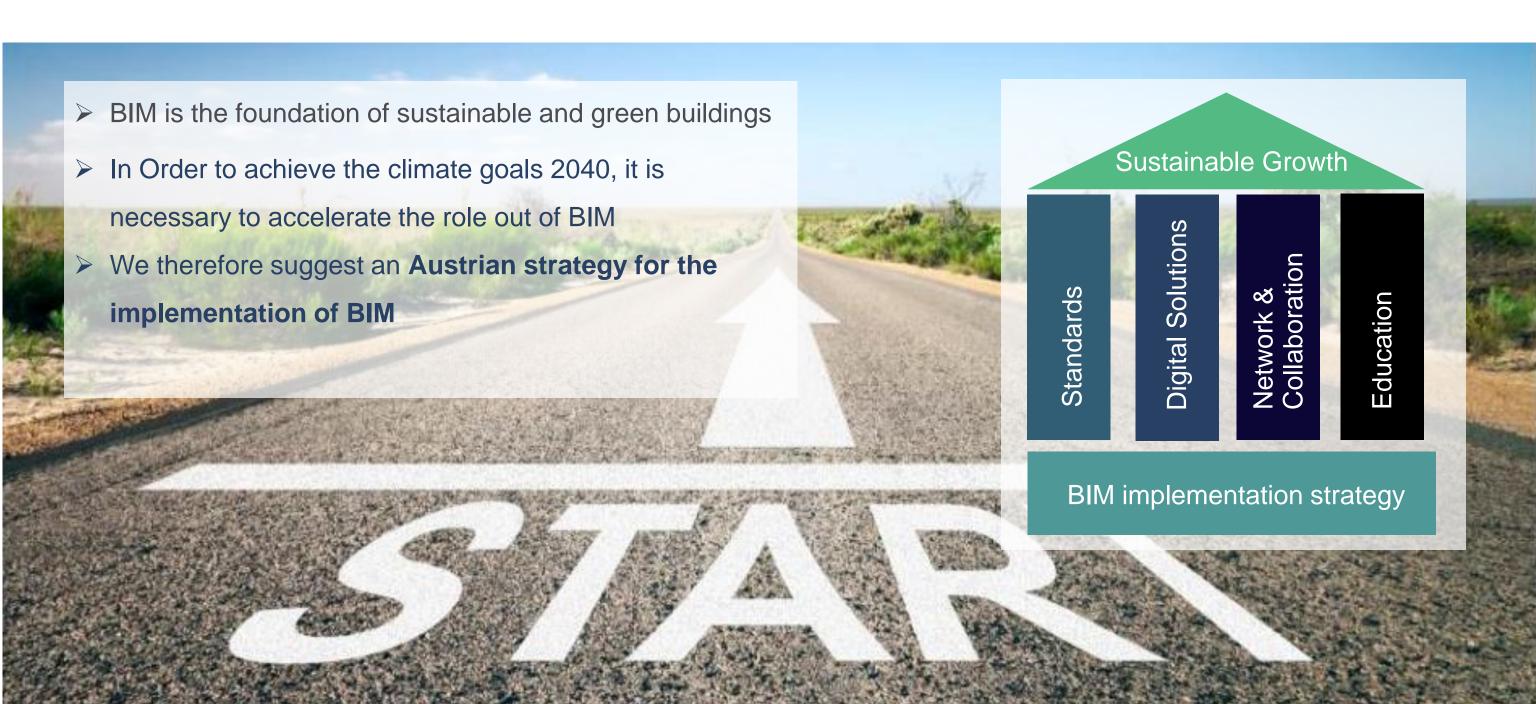








Conclusion





GET INVOLVED!

Let's innovate together!

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FÖRDERGEBER

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GESELLSCAHFTER





















