

# Ebenbuild Aims to Provide Clinicians with personalized Digital Twins of the Human Lung

By providing doctors and nurses with an assessment of a patient's lung condition, Ebenbuild aims to improve the quality and outcome of treatment for patients. Using the Intel® Distribution for OpenVINO™ toolkit, Ebenbuild's developers optimized pre-trained artificial intelligence inference models to run on Intel® hardware, accelerating performance of the computer vision cluster. For fast data processing and visualization in the simulation cluster, Ebenbuild used the Intel® Math Kernel Library and Intel C++ Compiler to optimize its application to run on Intel® Xeon® Scalable processors. Confidential Computing, powered by Intel® Software Guard Extensions, enables Ebenbuild to process data from multiple sources and transfer it to the cloud without exposing it, even to the cloud administrators.

## Products and Solutions

[Intel® Xeon® Scalable Processors](#)  
[Intel® Distribution for OpenVINO™ toolkit](#)  
[Intel® Software Guard Extensions](#)

## Industry

Health & Life Sciences,  
Software

## Organization Size

2-10

## Country

Germany

## Learn more

[White Paper](#)

“Confidential Computing, running on Intel® Software Guard Extensions, allows us to reassure healthcare providers that the privacy, confidentiality, and integrity of sensitive patient data is maintained.”

**Dr. Kei W. Müller,**  
CEO and Co-Founder,  
Ebenbuild