hhpberlin's pioneering HoloLens app HoloFire3D

proMX GmbH
Nordring 100
90409 Nuremberg
E-Mail: sales@proMX.net

hhpberlin
Ingenieure für Brandschutz

The temperature of fire is the same everywhere in the world.
How to incorporate HoloLens into building planning and secure operations

fireframework enables complex fire simulation and flexible processing via different devices used by multiple project actors.

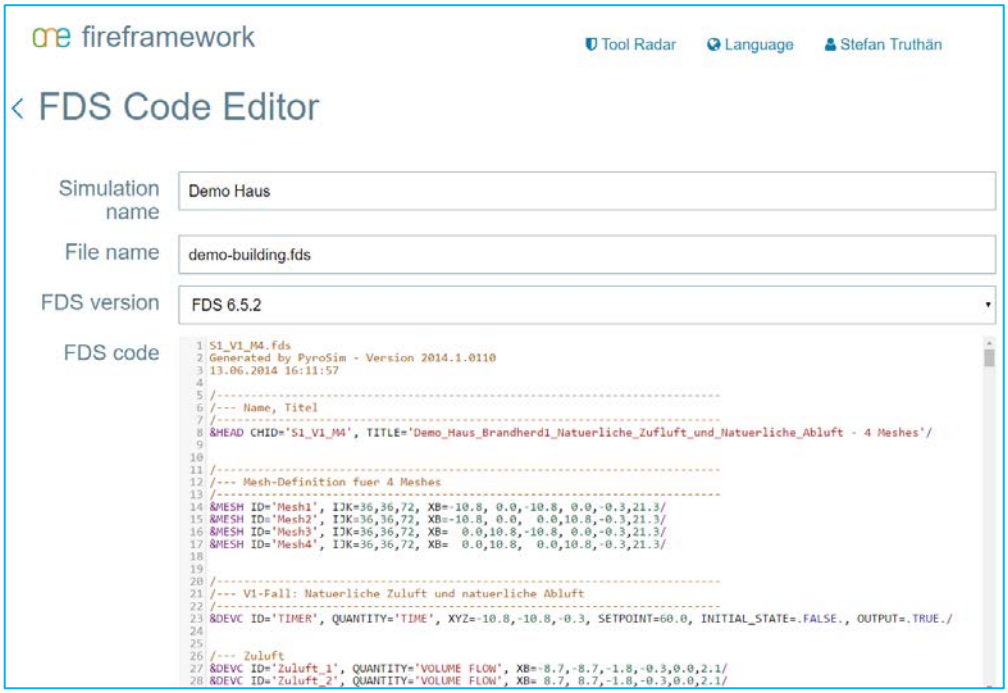
The web-based application offers complex fire simulation even without having a high performance computer at one's disposal.

Additionally, multiple simulations of varying levels of complexity can be started parallel to one another in no time. The required capacity and storage infrastructure is provided flexibly via Microsoft Azure.

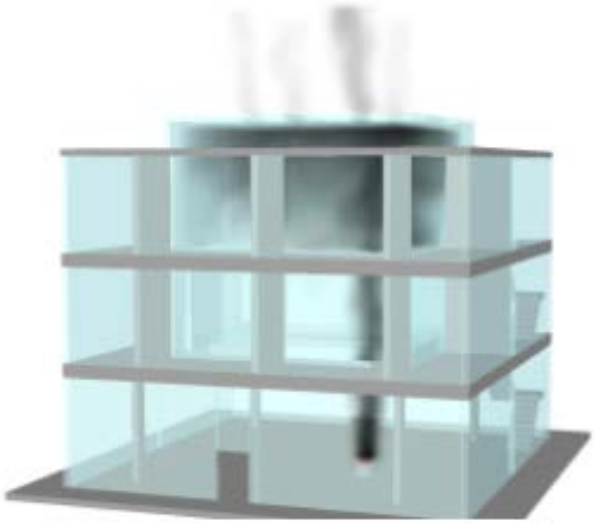
All that is required to calculate a simulation with fireframework is a .fds file.

fireframework will check this file for errors in advance. Thus, faulty or non-supported files may be corrected prior to the start of the simulation process.

Changes can be made directly via the interface.



The results may be used to generate 3D models of the buildings.

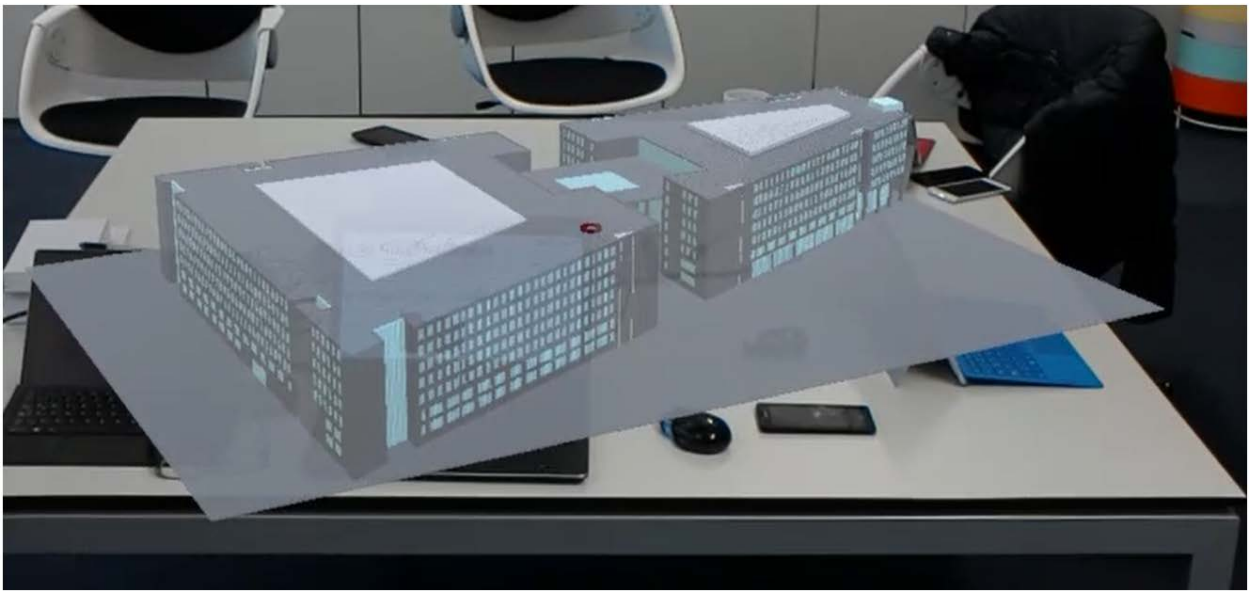


The application HoloFire3D was designed to combine physical and virtual reality to enable planners and architects to view buildings through HoloLens.

Holofire3D is employed to visualize buildings during the fire safety planning process, when changes are made to the building, as part of BIM (Building Information Modelling), and to assist first responders in exploring the situation.

The building is synchronized via the 'one structures' database and projected for the user as an interactive hologram.

The app allows users to work collaboratively on projects and to rate fire and smoke expansion models.



structures allows you to manage all security-related matters digitally, to share them with authorities and to provide access to the digital twin of the building via HoloFire3D.

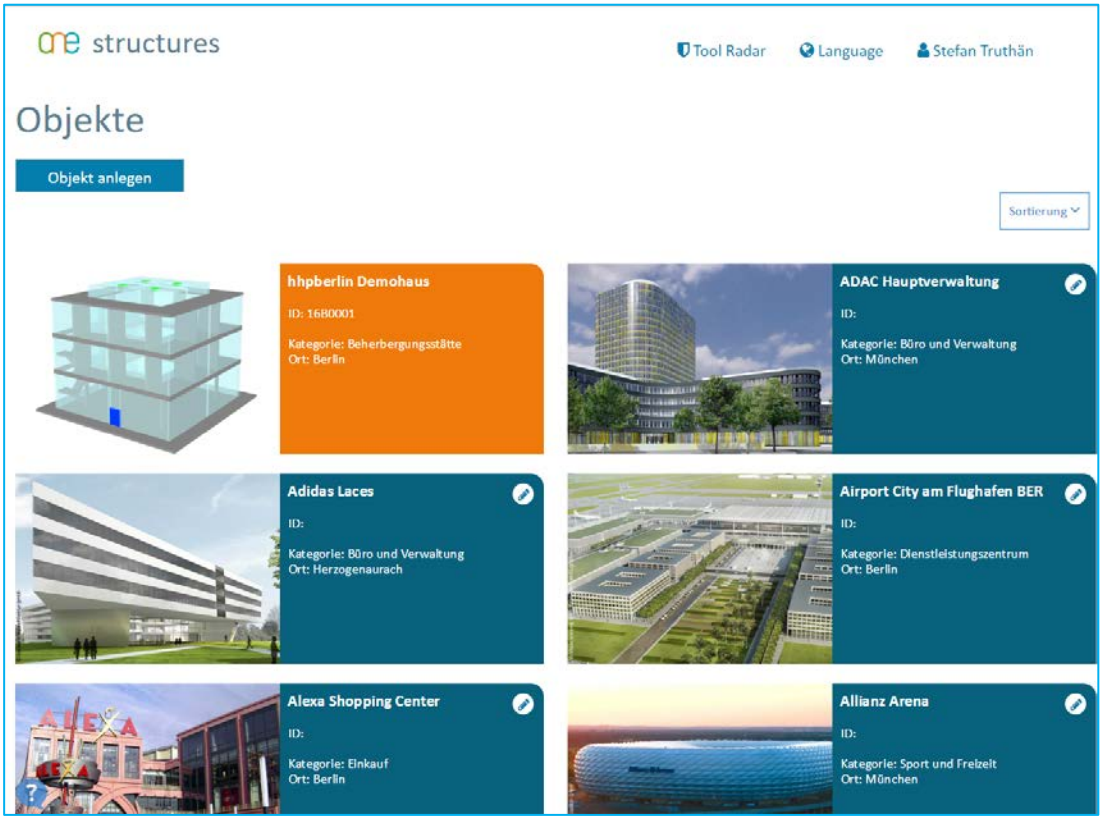
All important matters concerning the property can be managed and organized. Whether it's buildings, industrial sites or traffic tunnels, this tool helps you keep track.

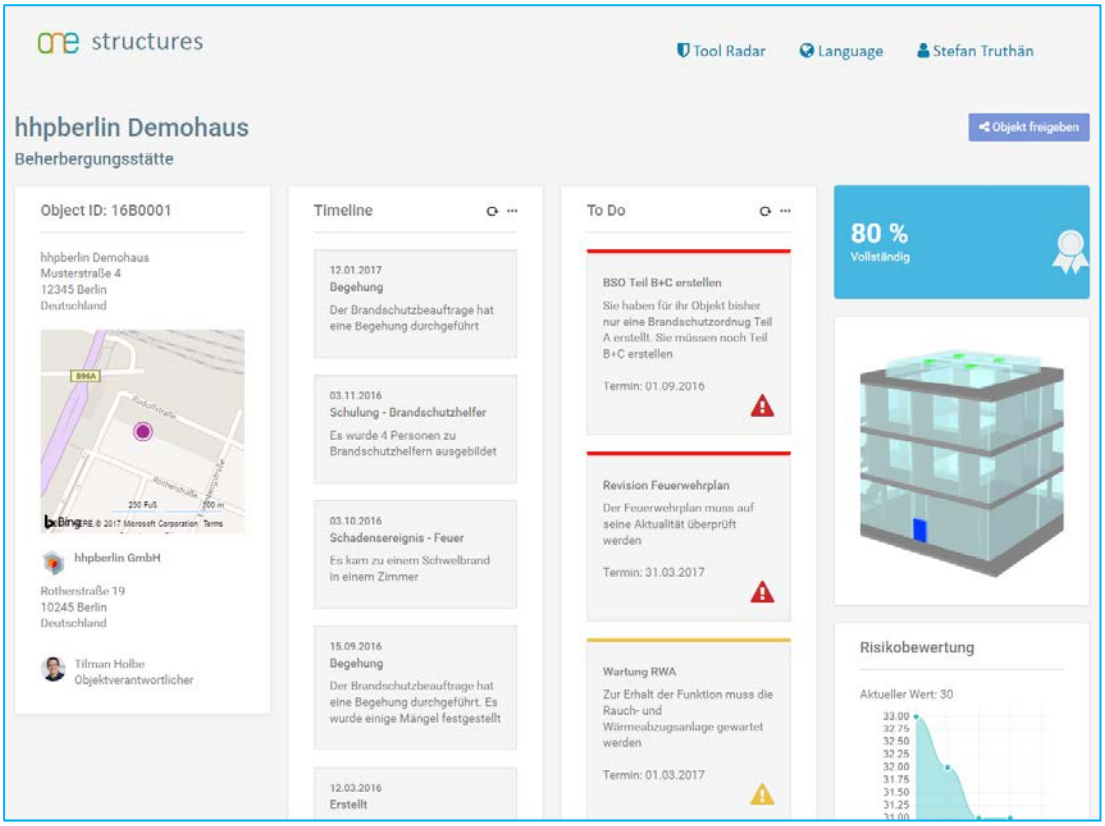
structures for BIM- Keep track of everything!

You've got a project, several people are involved and there are many different versions of data files and plans. structures connects all actors in real-time and notifies them of all changes and updates. And thus puts a stop to loss of information.

structures for preventive fire protection Safety first!

Infrastructures are safe only when maximum information about them is available. With structures, the latest information is available in one central place to all stakeholders, such as first-responders, authorities, architects or inhabitants.


structures
Tool Radar
Language
Stefan Truthän
Objekte
Objekt anlegen
Sortierung
hhpberlin Demohaus
ID: 16B0001
Kategorie: Beherbergungsstätte
Ort: Berlin
ADAC Hauptverwaltung
ID:
Kategorie: Büro und Verwaltung
Ort: München
Adidas Laces
ID:
Kategorie: Büro und Verwaltung
Ort: Herzogenaurach
Airport City am Flughafen BER
ID:
Kategorie: Dienstleistungszentrum
Ort: Berlin
Alexa Shopping Center
ID:
Kategorie: Einkauf
Ort: Berlin
Allianz Arena
ID:
Kategorie: Sport und Freizeit
Ort: München


structures
Tool Radar
Language
Stefan Truthän
hhpberlin Demohaus
Beherbergungsstätte
Objekt freigeben
Object ID: 16B0001
hhpberlin Demohaus
Musterstraße 4
12345 Berlin
Deutschland
hhpberlin GmbH
Rotherstraße 19
10245 Berlin
Deutschland
Tilman Holbe
Objektverantwortlicher
Timeline
12.01.2017
Begehung
Der Brandschutzbeauftrage hat eine Begehung durchgeführt
03.11.2016
Schulung - Brandschutzhelfer
Es wurde 4 Personen zu Brandschutzhelfern ausgebildet
03.10.2016
Schadensereignis - Feuer
Es kam zu einem Schwelbrand in einem Zimmer
15.09.2016
Begehung
Der Brandschutzbeauftrage hat eine Begehung durchgeführt. Es wurde einige Mängel festgestellt
12.03.2016
Erstellt
To Do
BSO Teil B+C erstellen
Sie haben für ihr Objekt bisher nur eine Brandschutzordnug Teil A erstellt. Sie müssen noch Teil B+C erstellen
Termin: 01.09.2016
Revision Feuerwehrplan
Der Feuerwehrplan muss auf seine Aktualität überprüft werden
Termin: 31.03.2017
Wartung RWA
Zur Erhalt der Funktion muss die Rauch- und Wärmeabzugsanlage gewartet werden
Termin: 01.03.2017
80 %
Vollständig
Risikobewertung
Aktueller Wert: 30

About hhpberlin

hhpberlin is Next Generation Fire Engineering. Fire safety is our passion as well as our future. Our customers in Germany and around the world associate hhpberlin with supreme fire safety. Our team is dedicated to developing the best preventive fire protection for our customers. We are always on the look-out for new and individually tailored solutions while keeping the vision and budget of builder-owners and architects in mind.

http://www.hhpberlin.de/
https://one.hhpberlin.de/