



Plan Efficiently, Build Sustainably

Spin-off

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**ETH** zürich



**GROUND\_  
BREAKERS**

"ifc-data-bus": "0.2.0"

```
// Today's one-way street  
run_export("model.ifc");
```

*// What the industry needs*

```
publish({ ... });
```

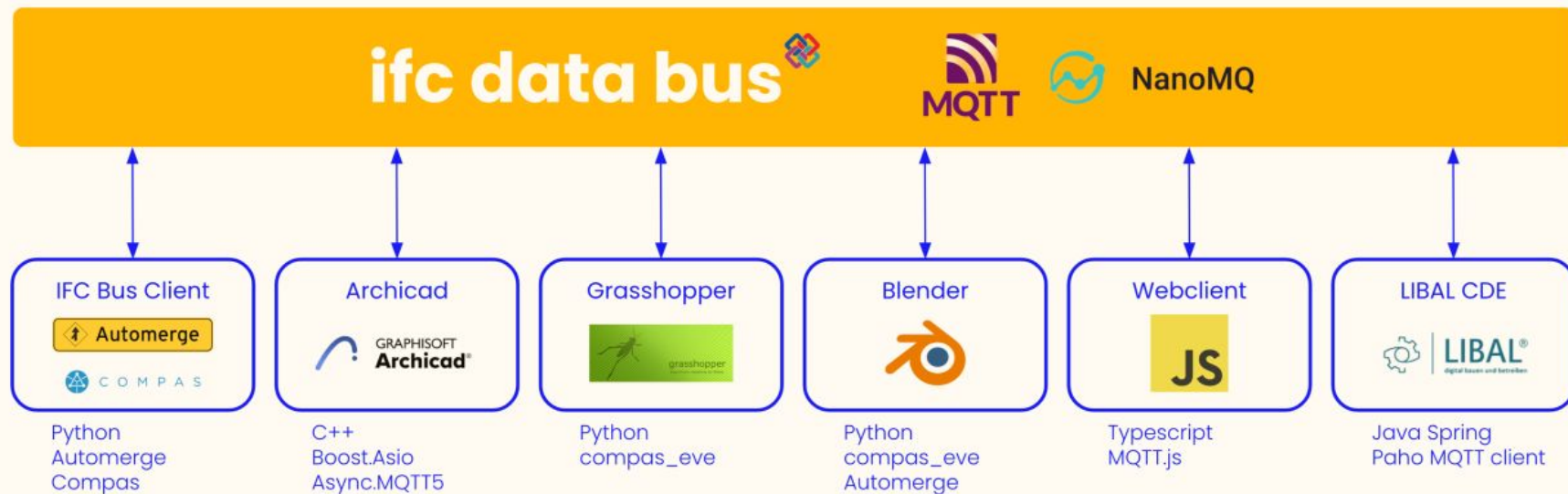
```
subscribe({ ... });
```

*// The ecosystem we envision*

agent

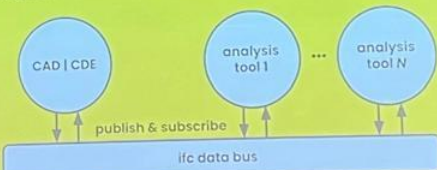
```
.connect('my-ifc-data-bus')  
.subscribe('LCA.ids')  
.publish('LCA-result.ids')  
.run();
```

// We implemented the  
// v0.1 in Zurich 01/25



### Envisioned workflow

We envision a workflow with publish-and-subscribe semantics, built upon the openBIM standards IFC, IDS, BSSD to propagate model changes such as buildups & materials across an ecosystem of tools.





# AEC HACKATHON

Zurich Edition '25

Network partners: PIRMIN JUNG



VIE

META XO

sho





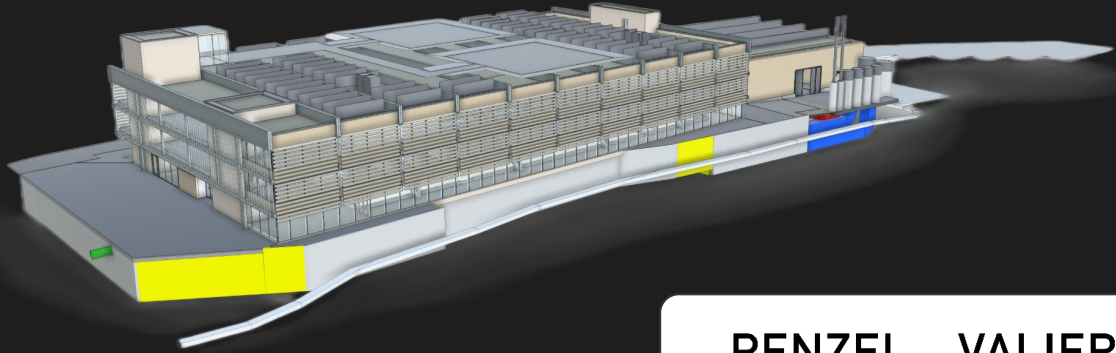
## // *The challenge*

// *TODO: Move to IFC5*

// *TODO: Connect 3+ systems*

// *TODO: Publish v0.2! :)*

*// Eishalle St. Moritz*  
*// is our sample project*



PENZEL\_\_VALIER\_\_

Let's code!

