

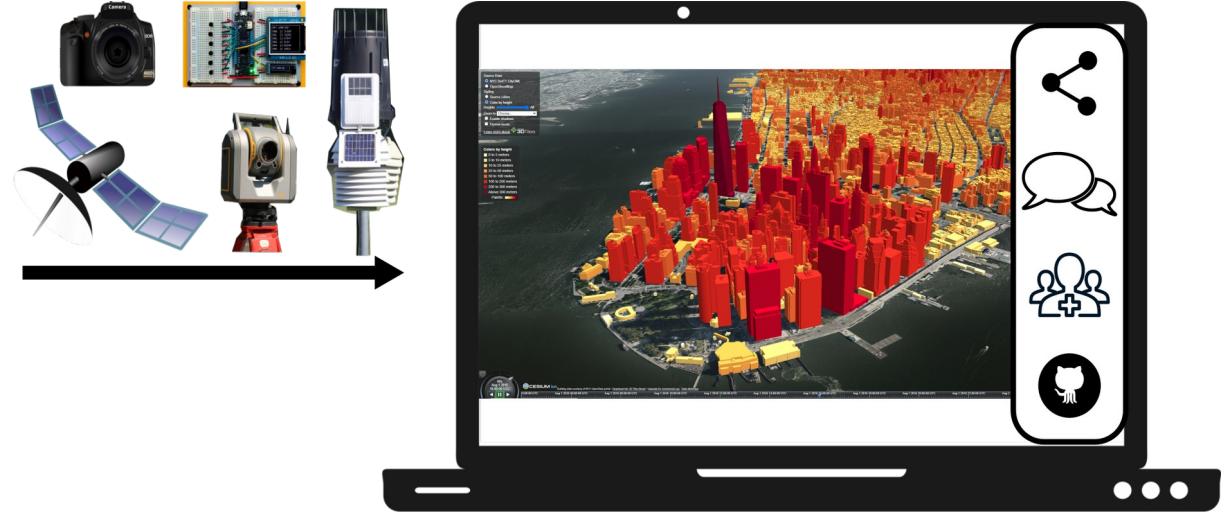
Yun2Infinity Platform

Highly extensible web-based open data platform for supporting computational design and digital transformation in the AEC industry



Vision for the Yun2Infinity Platform

Seamless built-virtual-built cycle where designers can design virtually, digital fabricate their designs and capture and represent built artefacts virtually for refinement.



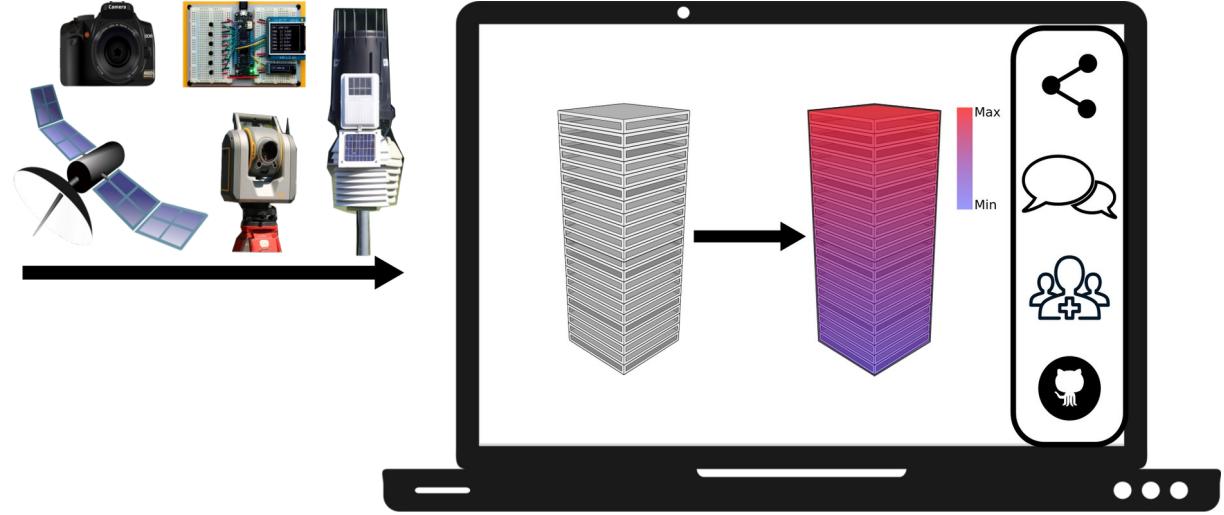
Vision for the Yun2Infinity Platform

Seamless built-virtual-built cycle where designers can design virtually, digital fabricate their designs and capture and represent built artefacts virtually for refinement.



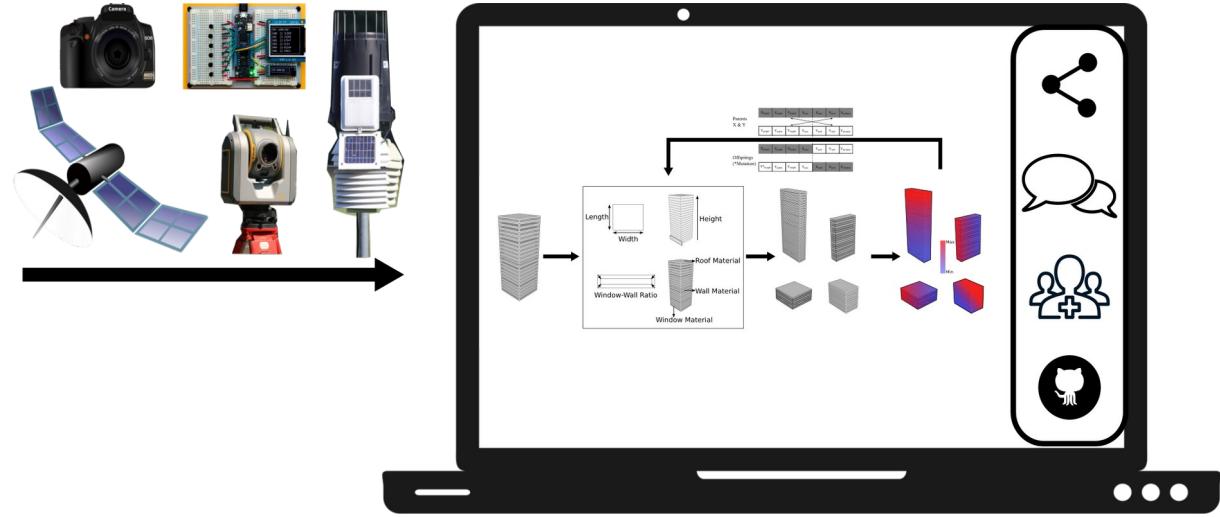
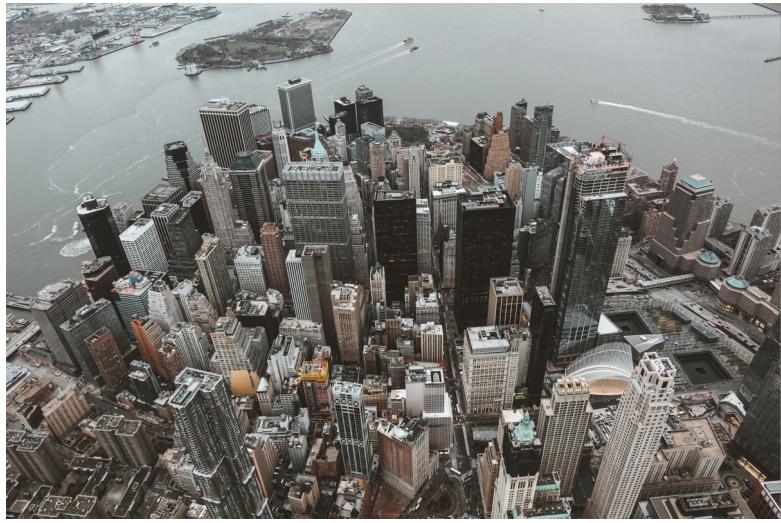
Vision for the Yun2Infinity Platform

Seamless built-virtual-built cycle where designers can design virtually, digital fabricate their designs and capture and represent built artefacts virtually for refinement.



Vision for the Yun2Infinity Platform

Seamless built-virtual-built cycle where designers can design virtually, digital fabricate their designs and capture and represent built artefacts virtually for refinement.



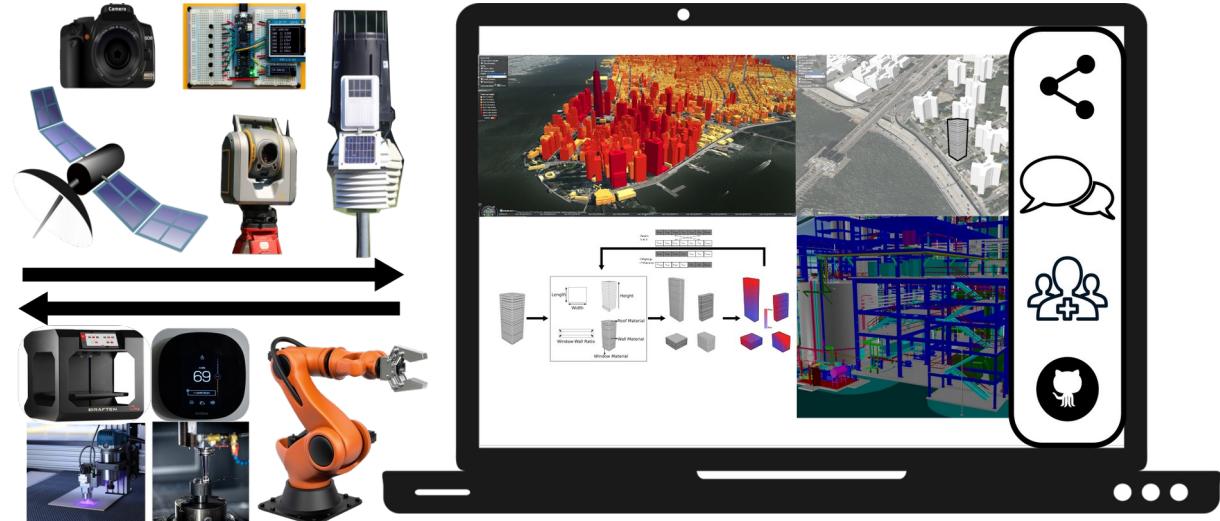
Vision for the Yun2Infinity Platform

Seamless built-virtual-built cycle where designers can design virtually, digital fabricate their designs and capture and represent built artefacts virtually for refinement.



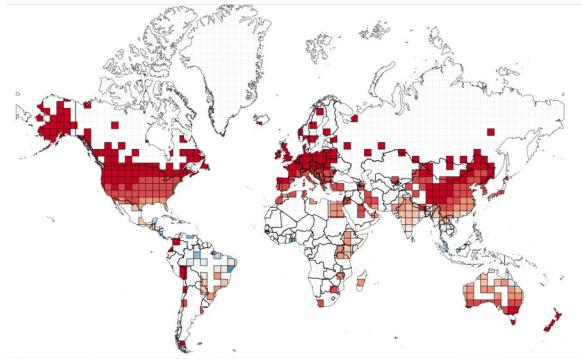
Vision for the Yun2Infinity Platform

Seamless built-virtual-built cycle where designers can design virtually, digital fabricate their designs and capture and represent built artefacts virtually for refinement.



Vision for the Yun2Infinity Platform

Seamless built-virtual-built cycle where designers can design virtually, digital fabricate their designs and capture and represent built artefacts virtually for refinement.



GIS



BIM



Time-Series

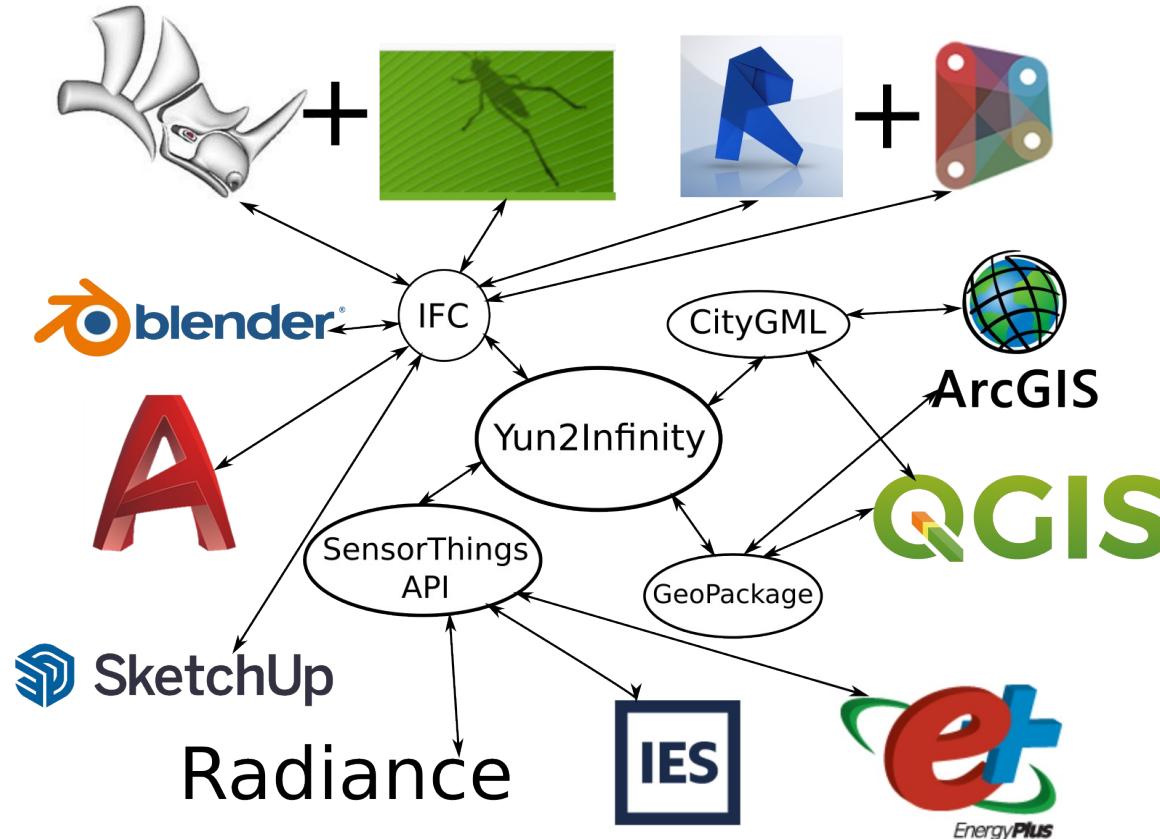
Open GIS + BIM +Time-Series Data Platform

Streamline access to built environment data. The open-source data platform can be customized for use in any project. Open standards for data access, which makes it readily extensible and integratable into existing software.



Why Open Data Platform?

Currently individual AEC software are siloed where it is a non-trivial task to move data from one software to another. There is an interoperability issue, which will hamper the virtual-built-virtual cycle.



Why Open Data Platform?

Open data platform will enable a free flow of data between domain specific experts, which is key to designing a holistic and zero carbon environment.

Under the Hood of Yun2Infinity – Core Opensource Database Technologies based on Open Standards

GIS & Time-Series



PostgreSQL
the world's most advanced open source database

Time-Series



Time-Series



FROST
Server

GIS



The CityGML Database
3D City DB

GIS

PostGIS



BIM

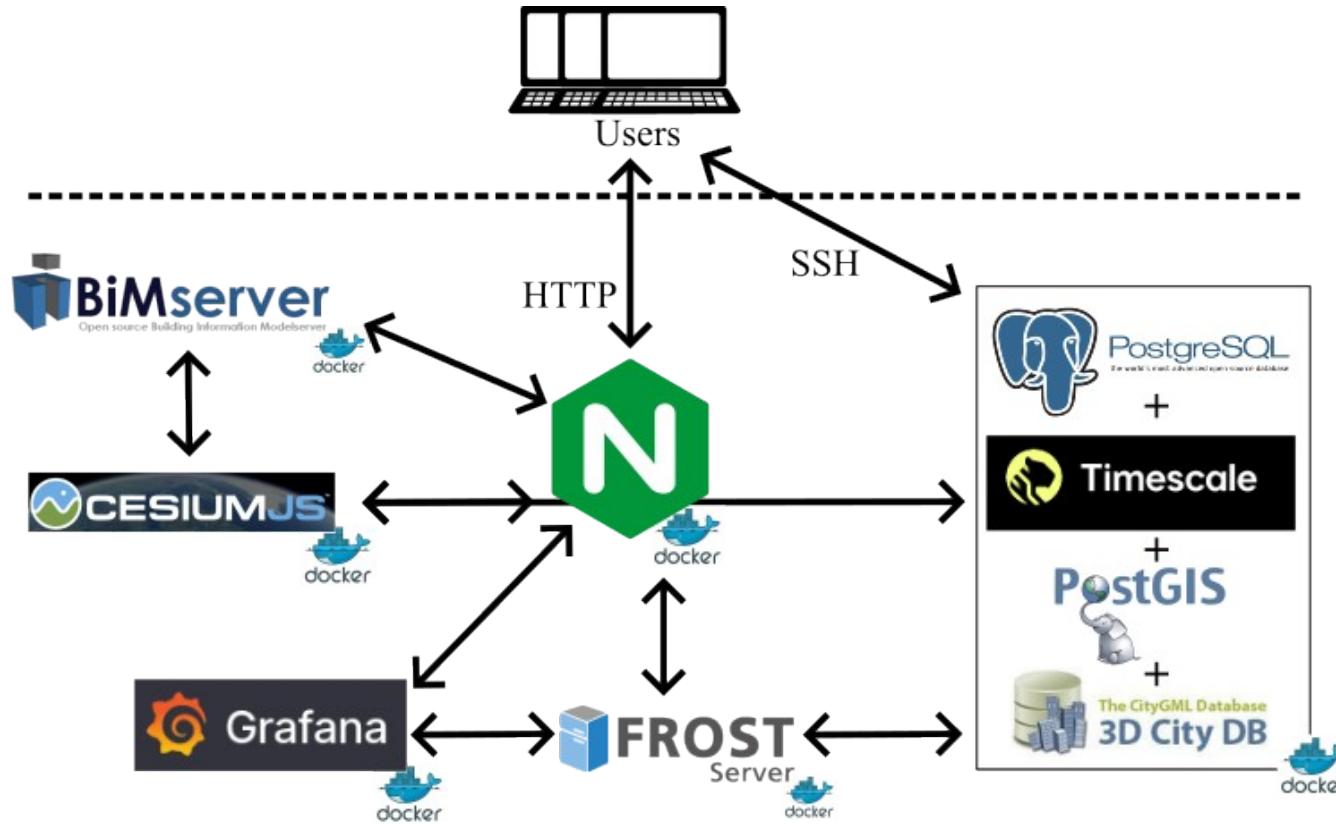


BiMserver
Open source Building Information Modelserver

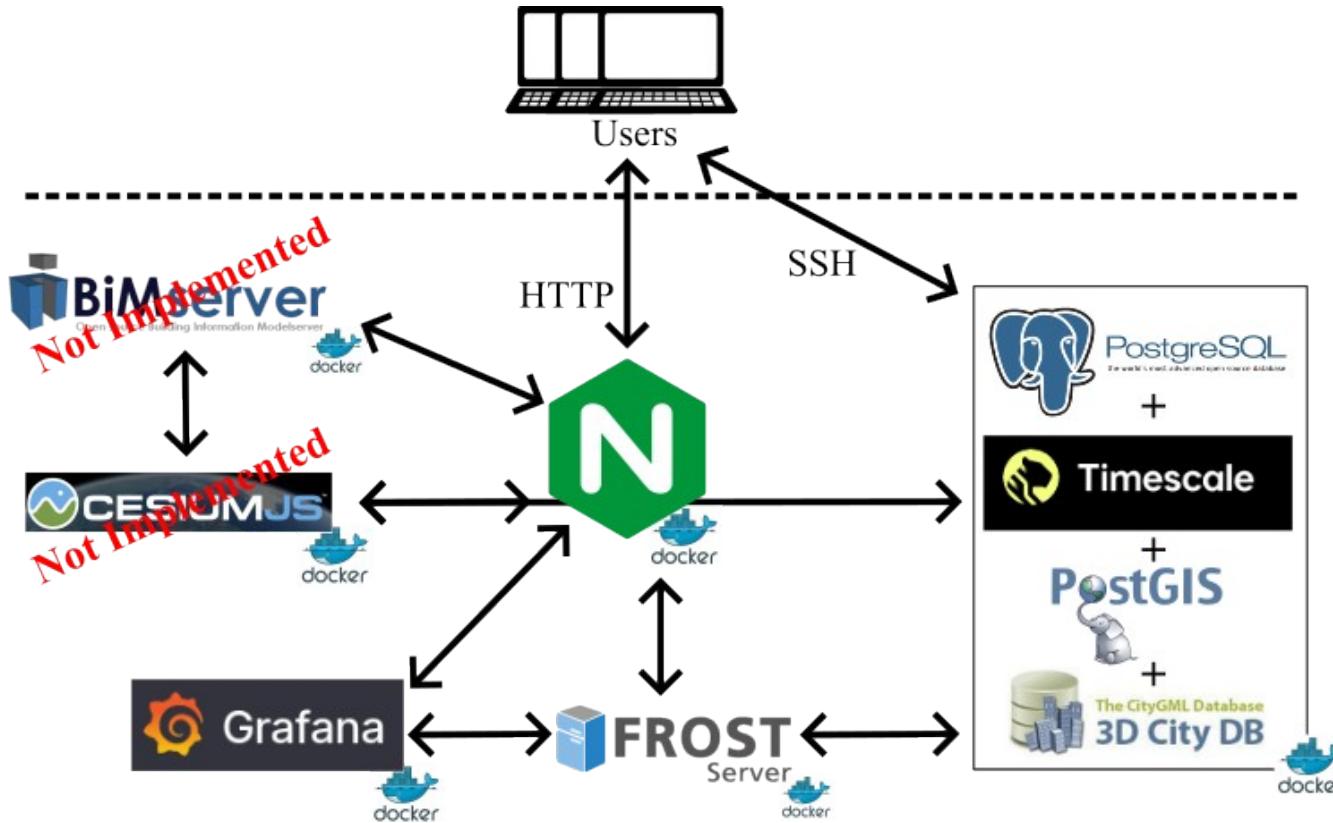
Under the Hood of Yun2Infinity – Core Opensource Visualization Technologies

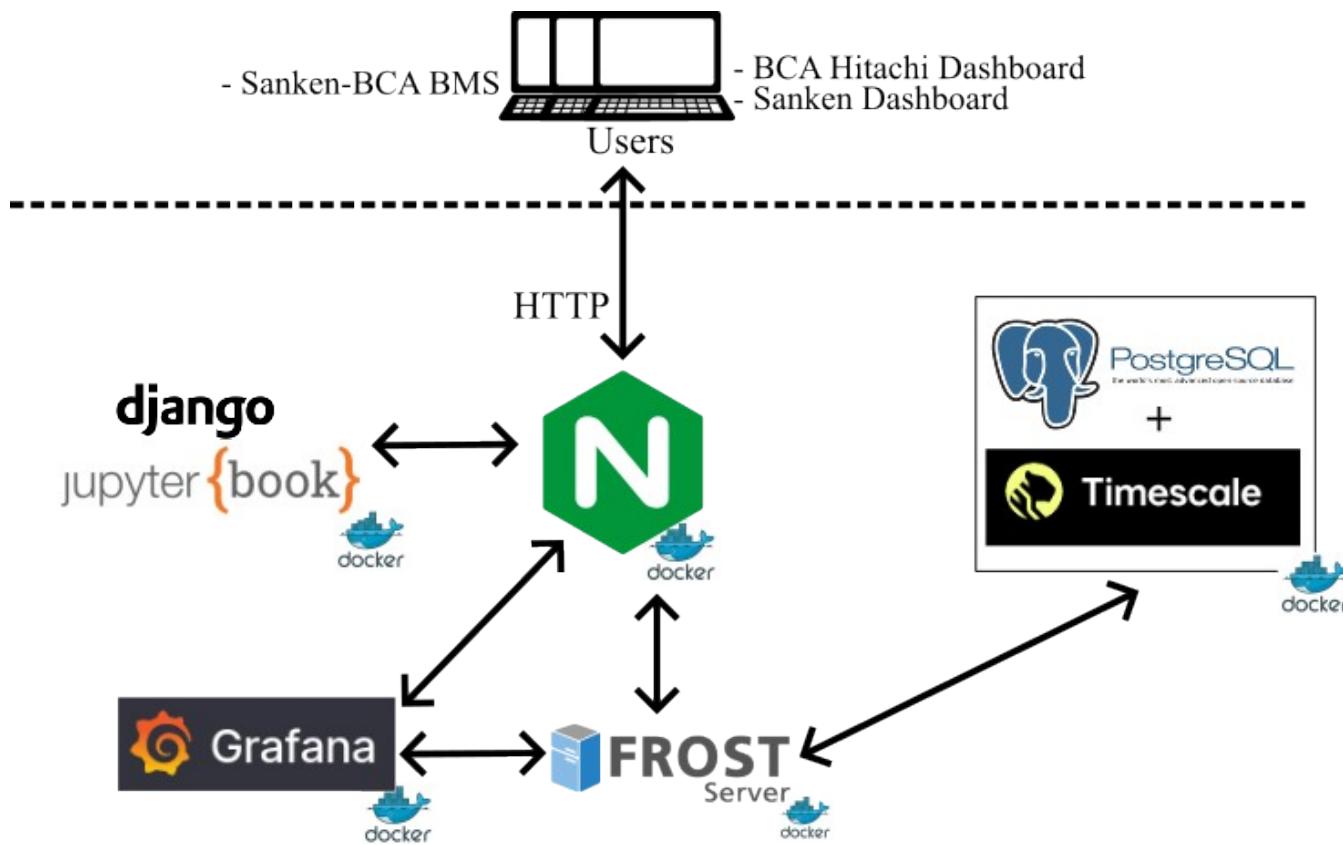


Envisioned Deployment with Docker Containers



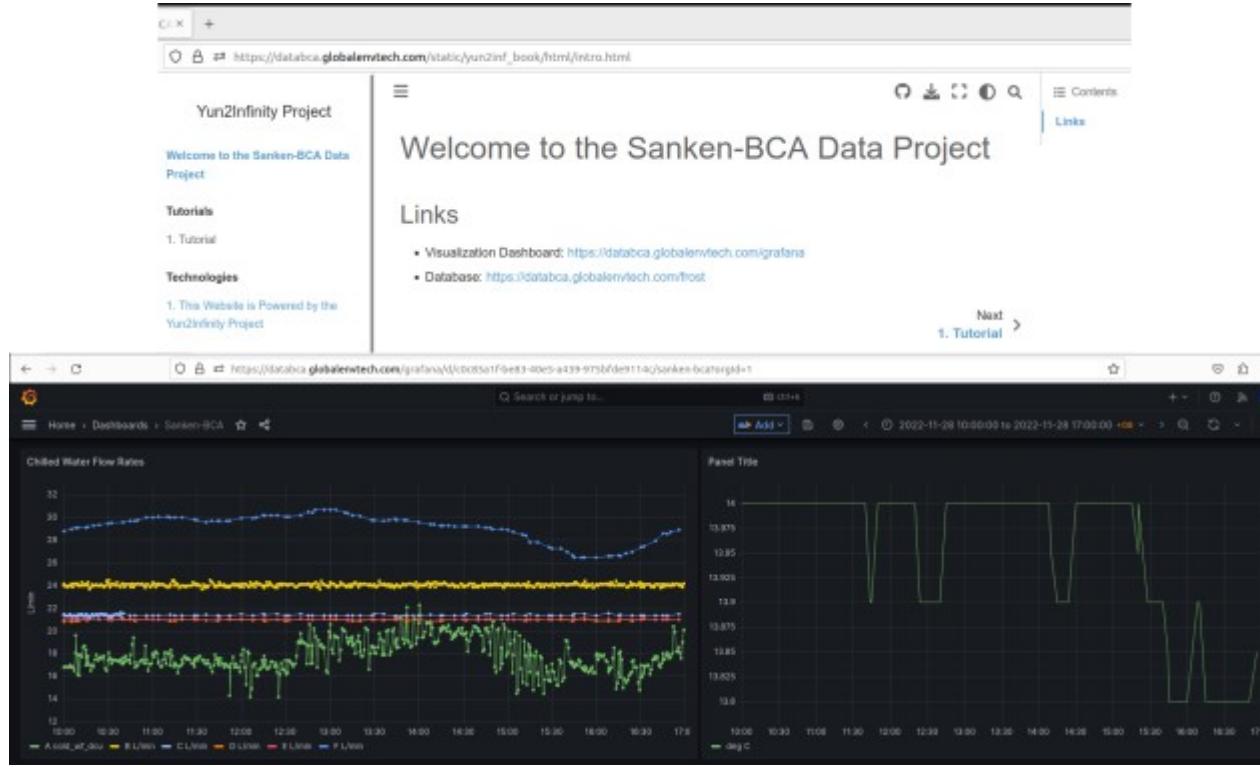
Current Deployment with Docker Containers





The BCA Data Project

Creating a dashboard of the BMS data from the Sanken-BCA space (<https://databca.globalenvtech.com>).



The BCA Data Project

Creating a dashboard of the BMS data from the Sanken-BCA space (<https://databca.globalenvtech.com>).