



# 2017 DIGITAL CONSTRUCTION AWARDS

BOUYGUES BÂTIMENT NORD EST  
(BOUYGUES, Nancy, France)

Thomas GOMEZ submission description

## LIDL Stores 4D Phasing



Shared **innovation**



## 1) Categories of Entry for this project

### Building Project

## 2) Description of the project

In 2016, LIDL France asked to Bouygues to bid 100 new stores for an amount of €2M per store so a €200M contract. LIDL wants to build and open a new store every 14 weeks.

The stores are located everywhere in France and are all the same (more or less, sometimes the position of the entrance changed). 10 to 12 stores are building at the same time so we will have 12 "LIDL teams" all over the territory during 3 years.

## 3) Why using Synchro?

14 weeks per store was a key point for LIDL and a challenge for Bouygues. To secure the schedule, we decided to use the 4D technology with the help of Synchro. **That was the first time for Bouygues Entreprise France Europe (BYEFE) we were using Synchro.**

I (Thomas GOMEZ) had an overview of Synchro on the Battersea Power Station Phase 3 with Maria PROTASOVA when I was working for Bouygues UK.

## 4) How Synchro helped us during the studies?

Because it's a very repetitive construction, the 4D phasing could help a lot for the different teams to have a baseline to follow so we are sure each worksite teams around France understand and follow the good way to build the store. We found that if we change a task in the baseline (like a wall that we want to do later), some tasks could seriously impact the respect of the handover and the penalties are very high for each day over the deadline.

## 5) Conclusion

We finished at the **1<sup>st</sup> position for the technical part and the respect of the planning** but 3<sup>rd</sup> for the price. LIDL is still looking for a company to build the 100 stores in France and we are still currently competing to lower the price as possible.

Now Bouygues Bâtiment Nord Est is using Synchro for every commercial studies to secure the schedule. I'm convinced Synchro is the best tool for coordination (Methods, planners, worksite) and I'm working with the others Bouygues companies in France to push them to use Synchro.



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