

[CS502541]

## [BIMBAU: Reshaping Productivity Through BIM, Supply Chain, and Collaboration]

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### Learning Objectives

- [Articulation of all construction actors: key factor to reduce gaps and rupture in productivity]
- [Supply chain planning: one of the main factors to improve productivity in construction projects.]
- [From passive to active: Planning in Construction depend on collaboration and conections among actors.]
- [BIM + Supply Chain + Colaboration (data): solution to get the best plan.]

### Description

BIM in construction is broken! But it's not the methodology's fault. There is a disaggregation among construction actors and a misunderstanding about the scope and capacity of every actor in the methodology.

BIM came to improve productivity in the construction sector based on collaborative work, and we should use it for our benefit.

Supply chain planning is a good way to onboard this change and achieves almost 20% more productivity. Collecting information on every material construction from suppliers and transforming this into generic BIM Objects is the beginning of a huge change: a long list of standard geometric objects with a high quality of information useful to improve the design process and accuracy for contractors and subcontractors.

With high-quality information, rather than high-quality geometry, it is possible to connect all the actors in an early stage to plan the supply chain during the construction and operation process, reducing time, cost, and CO2 emissions.

BIMBAU came up with a BIMBAU Cycle to connect all construction actors to make this powerful solution possible. It is a reality now with MEtalibrary by BIMBAU. We are

challenging all actors to be part of this change and reshape productivity through BIM, supply chain, and collaboration.

## Speaker(s)

Andrés Rojas <https://www.linkedin.com/in/andreserojasi/>

CTO and Co-founder @ BIMBAU.co

- Senior Software Engineer and Product Manager
- +14 years creating Tech Products and Startups
- Startup Mentor for VC Firms and Government Programs
- Tech Evangelist and Speaker
- Programming Mentor at @ coderise.org

Juan Saldarriaga <https://www.linkedin.com/in/juansaldarriaga/>

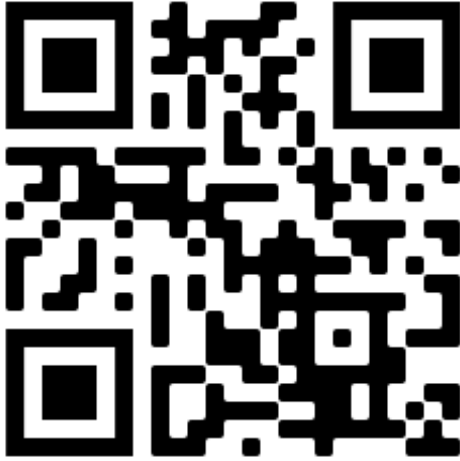
CEO and Co-founder @ BIMBAU.co

- Senior Civil Engineer and Supply Chain Manager
- MBA - Disruptive business model, Strategy and Innovation
- +16 years working on construction and +6 disruptive supply chain
- Startup mentor for social impact programs
- Transforming the supply chain in the construction sector

## Section Heading

- **Articulation of all construction actors:** BIMBAU helps connect all construction actors to plan the supply chain and improve almost 20% of productivity.
- **[Supply chain planning:** The supply chain should be a new BIM methodology dimension. There is a direct connection between the stages in SCM and the dimension of the methodology. In addition, the supply chain is the foundation of the best quality of information that BIM needs for better productivity.
- **[From passive to active:** Construction actors are responsible for improving the quality of the information in every stage. BIM is the vehicle; people are the drivers that make the trip unforgettable.
- **[BIM + Supply Chain + Colaboration (data):** exponential combination to improve construction productivity

# Change the way you BIM



Resources:

- <https://www.youtube.com/watch?v=KSfAyy4arCA>
- [https://www.researchgate.net/publication/281578983\\_Supply\\_chain\\_integration\\_with\\_BIM\\_a\\_graph-based\\_model](https://www.researchgate.net/publication/281578983_Supply_chain_integration_with_BIM_a_graph-based_model)
- [https://www.researchgate.net/publication/281578983\\_Supply\\_chain\\_integration\\_with\\_BIM\\_a\\_graph-based\\_model](https://www.researchgate.net/publication/281578983_Supply_chain_integration_with_BIM_a_graph-based_model)
- <https://www.tandfonline.com/doi/full/10.1080/17452007.2016.1212693>
- <https://www.witpress.com/Secure/elibrary/papers/BIM15/BIM15016FU1.pdf>
- <https://www.arcom.ac.uk/-docs/proceedings/f0e0113313b088754ef25c11f5e7bcb6.pdf>
- <https://www.stockpilereports.com/7-reasons-to-extend-the-bim-model-to-your-inventory-and-supply-chain/>