BIM & Precast.
A solution for all type of projects.
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02_Civil works vs MEP works.

Source: ICA CU, ICA CE, PRET and Bimsa Reports
Line 12 is the largest subway line in Mexico City. It benefits more than 1M people.

**15% cost reduction.**

Optimized design for footings, columns, column caps and W beams.
The precast cells contained all specialized furniture, MEP systems and ironwork. Reduced execution time from 16 months to 8 months.
The precast constructive system for this hospital was based on isolated footings, columns and TT slabs.

**Reduced execution time from 7 months to 4 months.**
250k people every day
The new terminal building was done with the airport’s full operation

**Precast structure and façade system for time optimization.**
20_Convention centers
22_Convention centers
G20 summit event venue. Convention center built in record time.

**Reduced execution time from 12 to 6 months**
28_Elevated highways
Located in Mexico City within a dense urban environment. It was built without affecting the transit of the existing highway. Execution timeframe 11pm to 5am

This project would haven’t been possible without precast
Precast cable-stayed bridge
Hanging over 15 railway lines in full operation...

the entire bridge was built without affecting railways operation.
37_Deep drainage
38_Deep drainage
10 km long and runs across the eastern part of Mexico City. A TBM EPB was used because of the type of subsoil. **42k rings / 294k elements**
Variante de techos

Balcones

Diferentes texturas

Bay windows

BIMFORUM

41_Casaflex
Precast can...

1. Be applied to all type of projects
2. Be a good solution for projects in dense urban environments.
3. Save time and/or cost
4. Improve quality
5. Reduce waste
6. Help bring infrastructure to difficult locations
“Architecture is the incorruptible witness of history”. Octavio Paz.

Thanks!

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