



ZINGA Activity Report – 2019

Date: January 16th, 2020
Report No.: 22-2020-001

Sirs
ZINGAMETALL BVBA
Belgium

Dear Sirs,

In attention to your request, please find the 2019's activity report.

Activities in 2019:

- Projects

During 2019, some projects used ZINGA as a coating to protect steel structures. One of them was the coating of Parque Marino de Puntarenas' roofing steel frames; another was the coating of some of Guanacaste's potable water tanks; coating rebars and the recharging of ICE's pylons.

- Parque Marino: TecnoSagot performed the surface preparation, using steel grit to achieve a roughness of 50-70 μm . The contractor applied ZINGA under TecnoSagot's supervision.



Blasted surface



Structures with ZINGA



- Potable water tanks: the tanks belong to AyA (Costa Rica's largest potable water supplier). The contractor did the surface preparation and ZINGA application.

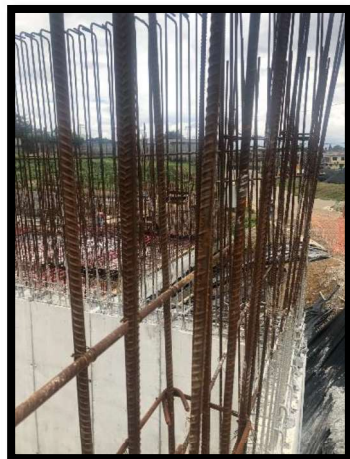


Inside, blasted

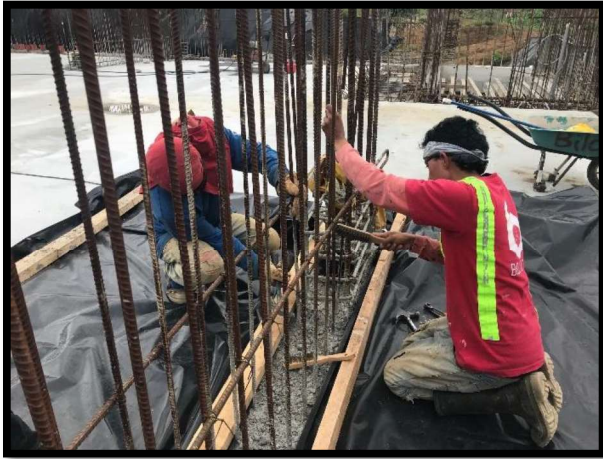


Outside, with ZINGA

- Rebars: The project, named ECO Heredia Urbano is being temporally suspended, and about 460 m² rebars are exposed to the atmosphere. The client used ZINGA to protect the rebars from corrosion. The project is expected to re-start in 3 years.



Rusted rebars



Surface preparation (wire brush)

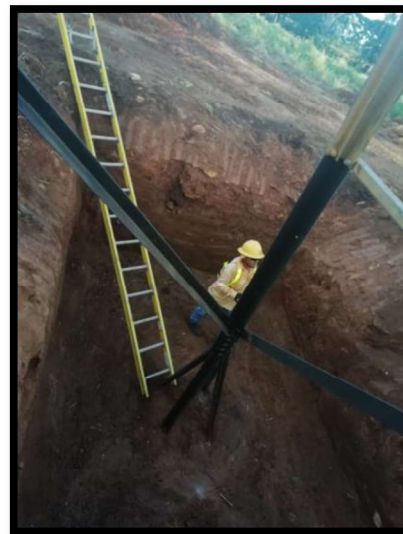
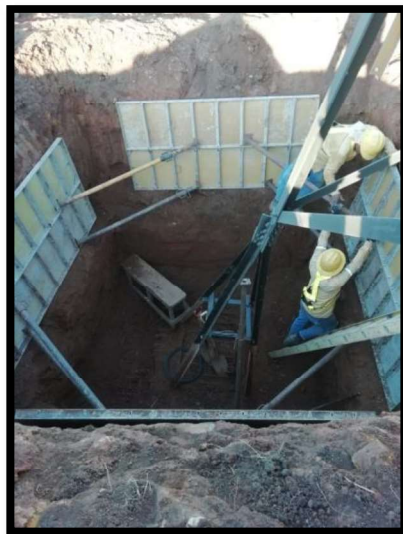


ZINGA application



Coated rebar

- Pylons: ICE (Costa Rica's largest electricity supplier) is retrofitting the old HDG pylons of the line Cañas – Barranca, located at the Pacific side of the country. During the second semester of 2019, ICE intervened the buried part of the pylons, using ZINGA and Zingatarfree. This project will continue during 2020 for the upper section of the pylons.



- Marketing actions

During 2019, our marketing efforts focused on visiting potential clients in order to present ZINGA's benefits and demonstrating the correct use and application. We also focused on training ICE's engineering and design staff, and some application crews. In total, we had five sessions in different areas of the country.