

# RETROFITTING OF BULACAN PREHEATER TOWER

Philippines



**General contractor**

freyssinet

**Customer/Owner**

Republic Cement (CRH)

**Engineer**

Design by FREYSSINET / Owner 's representative : AECOM

**Freyssinet subsidiary**

Freyssinet International & Cie (Rueil-Malmaison)

**Others subsidiaries**

FIMI (PHILIPPINES),

**Works period**

Start date: May 2018

End date: September 2018



## PROJECT DESCRIPTION

The Owner, Republic Cement (CRH) is undergoing a significant improvement

Pre Heater tower was built in Luzon Island (Philippines). Retro-fitting of preheater was required after structural inspection in order to increase production by installation of additional equipment such as cyclones.



## FREYSSINET MISSION

Freyssinet (FIMI and FIC DT) performed a first stage of investigation, assessment, modelling and Preliminary design of the structural strengthening.

Freyssinet (FIMI and FIC DGP) was awarded the 2nd stage, in Design and Build for execution of the following works as Main Contractor for:

Strengthening of concrete beams by microconcrete form and pour

Strengthening of concrete beams by Carbon Fiber Fabric (TFC®).

Application of coating protection

Strengthening of connection type 1 by steel structures connected to lateral blisters anchored by Freyssibars and load transfer by permanent flat jacks.

Strengthening of connection type 2 by steel structures supported by elastomeric Bearing

