Vibroforming and Cooling Sections Revamping of Green Anode Plant Line 2 at EGA DUBAL Operation

Christophe Bouché[1], Vincent Philippaux[2]
1. Carbon technical Director
2. Head of Mechanical Department
Fives Solios, Givors, France
Corresponding author: Christophe.Bouche@fivesgroup.com

Abstract

In 2014, as part of an amperage creeping project, EGA Jebel Ali Operation (DUBAL) decided to increase anode size up to 1600 mm, and therefore, to upgrade Line 2 anode forming, cooling and handling systems within DUBAL's Green Carbon area. It was also the opportunity to improve the green anode quality and Line 2 availability. Fives Solios was awarded the contract to supply its latest generation of Xelios vibrocompactor and pan cooling conveyor. Firstly, this paper details the challenges related to such revamping project: constrained footprint, interfaces with existing equipment's and extremely short plant shutdown duration to minimize anode production losses. Secondly, the safety, process, mechanical and environmental performances achieved by the upgraded installation are presented and discussed.

Keywords: Green anode plant; Xelios; forming; cooling; anode.