

779 - How to digitalize an equipment for operational excellence and eco-conception

Authors: Jean Guilhem (2B1st Consulting), Philippe Eyraud (Mixel)

Abstract: There are two possible approaches to the digitalization: one top-down, the other bottom-up.

While the top-down approach seems reserved to operators because requiring a global overview of the digitalization, the Original Equipment Manufacturers (OEMs) and Manufacturers can bring part of the digitalization solution with a bottom-up approach. By digitalizing their equipment, OEMs and Manufacturers can not only reach higher operational excellence but also reduce the carbon footprint of projects and operations.

The purpose of this article is to present a method and an example on how to digitalize your equipment.

The first part will explain the logic and the pitfalls of the digitalization. The second part will be dedicated to detail the process for a successful digitalization. The last part will high light the theory with a practical case : the connected agitator, benefits and specifications.