

Digital Transformation: the EGA Way

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Abstract

Digital Transformation is in every industry leader's mind since a few years. Together with Industry 4.0 it is revolutionizing most industries in the world and aluminium is likely to be no different. This is about leveraging the exponential development of IT capabilities to transform the way industries operate. Nobody can ignore the power of Artificial Intelligence, Internet of Things or Augmented Reality just to name a few of those technologies. All companies adopting digital and Industry 4.0 are focusing on speed, agility, and technology mastering and as a result are enjoying a significantly improved performance. EGA is leveraging 10 digital capabilities to digitize, digitalize and digitally transform its operations. At EGA, the journey started a few years ago when we discovered and adopted some of those capabilities. We are now moving into the third phase out of four of our transformation programme. This phase is all about industrializing the way we define, develop, deploy use cases through our digital factory to provide value to EGA. It also means strong foundations such as strategically aligned roadmaps, teams upskilling, deploying cutting edge technical platforms, and transforming the way of working with Agile frameworks as they help speed up and scale up our impact to the company operations. Value can be realized in different stages of the aluminium value chain as can be illustrated by some of the use cases EGA deploys in Carbon, in Reduction, in Supply Chain or in Marketing & Sales.

Keywords: Industry 4.0, Digital, Artificial intelligence, Data, Transformation.