

GROWING WITHOUT GROWING

The 3rd Series
Ingenics Corporation
13 September, 2023

Why Digitalization is not a Future Trend Anymore!

Welcome to the final phase of the Aerospace Article Trilogy that we have prepared for all you interested readers out there. The previous two articles demonstrated how being lean and green are now more important than ever. We learned that by adopting lean practices, we can effectively manage shortages while maintaining a profitable output. Additionally, our sustainability article emphasized that the sustainable treatment of our resources provides us with a competitive advantage in the market, helps us stay resilient against our competition, and fosters a positive outlook for our future with customers.

The words "Digitalization" and "Industry 4.0" have become increasingly common in recent years, and it has become evident from the beginning that these are not just trends but enduring transformations that are here to stay. We could quickly detect the initial benefits in our companies by utilizing existing data, and when well-prepared, it enabled us to make faster decisions.

Knowledge-intensive companies, such as those in the media and information technology sectors, quickly began using user-collected data for further interpretation and decision-making processes to analyze customer needs at a level of detail that we had never witnessed before in the market. As end-users, we have rarely come into contact with new terms like "cookies" or "algorithms," and just a few of us truly understand their functionality. As a result, we can say that Digitalization, alongside Lean and Green practices, serve as an additional component or tool to enhance our productivity.

As we can see, the objective for businesses has been to increase their productivity and to create an improved customer experience. In manufacturing, we adapted in the early stages to utilize ERP systems for expediting administrative processes and CRM software to ensure we never forget a customer and can effectively manage customer relationships.

We also learned to assign ratings, perceive which suppliers and customers are the most beneficial, and identifying opportunities to optimize and enhance our revenue streams.

But somehow, we recognize that companies are facing some challenges in implementing the next steps. Technology is much more advanced than just using intuitive software tools to sort data. It is now a tool, similar to Lean and Green, that increases our productivity and provides us with certain advantages in the market.

We can draw such examples from digital transformation, specifically concerning predictive maintenance. We are already collecting data on how often and which parts we change in our machines, and we all understand how sensors work. If we combine these two elements and enable them to communicate with each other, we establish the initial concept of timely and necessary machine repairs, utilizing our everyday historical and existing data that is often present in our companies but remains underutilized.

Imagine your company benefiting from perfect resource and asset management, supported by our digital helpers. Optimal resource utilization translates to better profitability, which, in turn, leads to higher output and improved margins.

As a result, we can summarize that Lean, Green, and Digital are three powerful tools that remain relevant, yet many companies struggle to apply them collectively and use their combined strength to face upcoming challenges, such as resource limitations and labor shortages. Strong relationships and a reliable network of expertise can help you overcome obstacles. At Ingenics, we are glad to offer support at any time through expertise exchange and implementation support.

We thank you for reading our trilogy and we appreciate your feedback.

Would you like to have a discussion about it?

Get in touch
with us!

