Automating intelligently

In the year ahead, the conversation on operational excellence must include an in-depth assessment of the potential benefits offered by a new breed of intelligent automation (IA) technologies such as robotic process automation (RPA), artificial intelligence, machine learning, computer vision and natural language processing.

As an example, EY research shows that the implementation of RPA alone can deliver savings of 20% to 35% over current processes. The real premium in these technologies is their deployment in combination together and alongside existing systems. They can launch and scale rapidly, avoiding high levels of investment, generating quick returns, and redefining the next layer of IT infrastructure.

To date, many of these technologies have been rolled out in the back office. Often, they play a generic role, knitting together legacy systems to make areas such as compliance and reporting more efficient. In the year ahead, this portfolio will develop to include many more solutions that are specific to the M&E industry. We will see their deployment in everything from content recommendations to media planning.

Previously manual and disconnected processes can be delivered more effectively. For example, ingesting a piece of content using a combination of RPA, computer vision and machine learning can automate the process of tagging metadata reducing costs of content curation, bringing efficiency to the process and enabling other capabilities. It will become the engine that drives recommendations and helps in the creation of publicity and marketing material, and in a world of bespoke, object-based media, it could ultimately lead to the creation of new content.

Understanding the impact

Just as technology has been the catalyst of disruption, it is also a huge part of the solution. And yet a technology-led approach risks missing the bigger picture. Any deployment of intelligent automation needs to be seen in the wider context of enterprise change.

Today’s enterprises have processes in abundance that are ripe for IA and they will likely have many more of them in the future. The greatest opportunity and consequently the greatest impact are to be found with processes that are data-intensive, repetitive and rule-driven and have electronic start and end points.

M&E companies need to identify the kind of rules-based processes where intelligent automation is relevant, determining the specific criteria for impact and then mapping each process in detail to assess the likelihood of achieving that impact. Once prioritized M&E companies should target specific processes for proof of concept modeling.

The good news is that many of these technologies will drive operational excellence into the enterprise, deliver cost efficiencies and also unleash a raft of ancillary benefits, from driving innovation to mitigating risk.
How do you find opportunity in disruption?

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EY Global Media & Entertainment Leaders

John Harrison
Global M&E Sector Leader
john.harrison@ey.com
+1 212 773 6122

Janet Balis
Global M&E Advisory Leader
janet.balis@ey.com
+1 212 773 1422

Ian Eddleston
Global M&E Assurance Leader
ian.eddleston@ey.com
+1 213 977 3304

Will Fisher
Global M&E TAS Leader
wfisher@uk.ey.com
+44 20 7951 0432

Alan Luchs
Global M&E Tax Leader
alan.luchs@ey.com
+1 212 773 4380

Martyn Whistler
Global M&E Lead Analyst
mwhistler@uk.ey.com
+44 20 7980 0654