

## Toward the fourth industrial revolution of oil and gas upstream

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### Summary

Industry 4.0 (or the fourth industrial revolution) is becoming an inevitable technological trend worldwide. In an Industry 4.0 system, robots and objects are versioned to be smart enough to make decisions by themselves and communicate with each other via internet of things. Currently, the emergence of Industry 4.0 is largely driven by digital transformation technologies development and their implementation in the advanced manufacturing sector. This paper aims at discussing the potential benefits that Industry 4.0 can bring to the upstream oil and gas industry. In particular, it presents how one would optimize the Industry 4.0 Maturity Index to meet the maximum value from its implementation in this sector.

### References

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- [2] Mittal, A., Slaughter, A., & Bansal, V: The digital transformation in upstream oil and gas. Deloitte, 2017.