AI-enabled use cases are already reducing GHG emissions

...and AI has the potential to significantly limit more GHG emissions

Organizations who effectively use AI in climate action are closer to their goals

How artificial intelligence can power your climate action strategy

AI-enabled use cases has the potential to aid organizations to reach 14-45% of their Economic Emission Intensity (EEI) reduction targets by 2030

In our survey, We found a set of Climate AI Champions who have a mature climate change vision, strategy, and strong record of accomplishment of AI implementation for climate action. They constitute 13% of all surveyed organizations.

Portfolio XDC Gap for Climate AI Champions vs the rest of the organizations - the level of warming that must be reduced by these group of companies to be aligned with the Paris Agreement

How organizations leverage AI’s full climate action potential

1. Economic Emission Intensity = Emissions (in tons of CO₂ equivalent)/GVA (in million Euros). GVA is Gross Value Added = EBITDA + Personnel Costs. EEI targets represent the net emission intensity sectors must achieve to achieve the 1.75°C temperature rise over pre-industrial levels.

2. Data from our survey of 190 organizations that have been able to fully or partially scale AI projects for climate action. Others include process industry (cement, paper, petro-chemical, paper) and discrete industries (electrical and electronics, air and railway equipment etc.)

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