










THE 'NET' EFFECT

The sweeping changes that the Internet of Things (IoT) – digitising the physical world – can bring to companies, consumers and cities have thrown up myriad possibilities, inspiring a surge of innovation and enthusiasm. A report by the McKinsey Global Institute estimates the economic impact of the IoT could be \$3.9 trillion to \$11.1 trillion a year by 2025 – from improvements in productivity and asset utilisation as well as economic gains of reduced disease and accidents, among others. Here is a snapshot of the report:











Value potential of the IoT

Interoperability required to capture 40% of total value	<1% of data currently used, mostly for alarms or real-time control; more can be used for optimisation and prediction	2X more value from B2B applications than consumer	Developing: 40% Developed: 60%
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A cross-sector view of the potential impact of **\$3.9 trillion–\$11.5 trillion per year in 2025**

								
Home Chore automation and security \$170 bn–300 bn	Offices Security and energy \$70 bn–150 bn	Factories Operations and equipment optimization \$1.2 tm–3.7 tm	Retail environments Automated checkout \$410 bn–1.2 tm	Worksites Operations optimization/ health and safety \$160 bn–930 bn	Human Health and fitness \$170 bn–1.6 tm	Outside Logistics and navigation \$560 bn–850 bn	Cities Public health and transportation \$930 bn–1.7 tm	Vehicles Autonomous vehicles and condition-based maintenance \$210 bn–740 bn

More value from IoT could be created in advanced economies, but the number of deployments could be higher in the developing world

								
Higher penetration in advanced economies, higher value of time saved	Higher costs and wages in advanced economies raises value of impact	Larger investments in automation in advanced economies	Higher adoption in advanced economies, but large number of retail settings in developing markets	Higher adoption in advanced economies outweighs developing economy deployments	Health-care spending in advanced economies is twice that in developing economies	Transportation/shipping spending is twice as big in advanced economies	More autonomous vehicles in advanced economies, but larger number of cities and populations in developing markets	High number of vehicles and costs in advanced economies
<div>ECONOMY ■ Advanced ■ Developing </div>								

NOTE: Numbers may not sum due to rounding

Source: McKinsey Global Institute analysis