

# BLOCKCHAIN-DRIVEN TRANSFORMATION

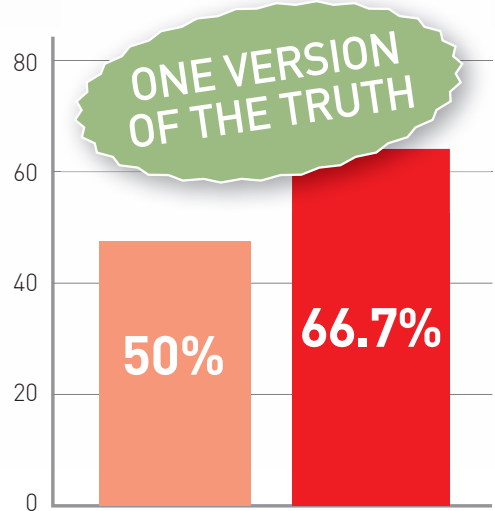
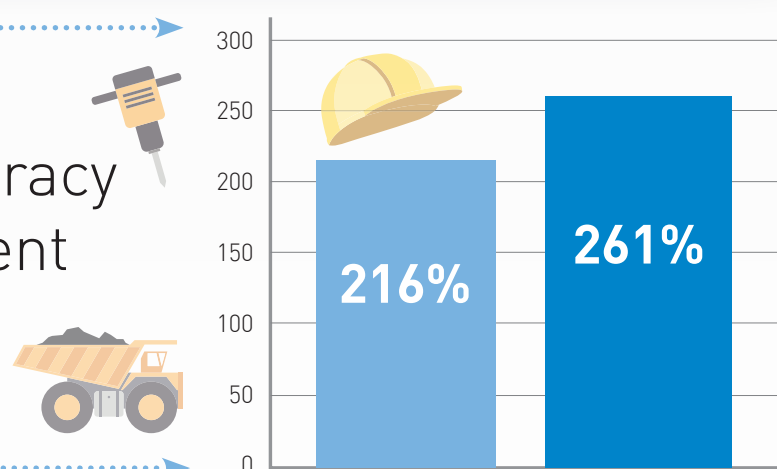
How Distributed Ledger Technologies Have Changed the Enterprise Forever



## TODAY'S BLOCKCHAIN TRANSFORMATIONS

Transformation Opportunity	Use Cases							
Registering assets & records	Fakes & defects 							
Tracking the flow of assets	Cobalt & rare-earth minerals <table><tr><td>24 <b>Cr</b> Chromium 51.996</td><td>25 <b>Mn</b> Manganese 54.938</td><td>26 <b>Fe</b> Iron 55.845</td><td>27 <b>Co</b> Cobalt 58.933</td><td>28 <b>Ni</b> Nickel 58.693</td><td>29 <b>Cu</b> Copper 63.546</td><td>30 <b>Zn</b> Zinc 63.58</td></tr></table>  Food products & agricultural commodities	24 <b>Cr</b> Chromium 51.996	25 <b>Mn</b> Manganese 54.938	26 <b>Fe</b> Iron 55.845	27 <b>Co</b> Cobalt 58.933	28 <b>Ni</b> Nickel 58.693	29 <b>Cu</b> Copper 63.546	30 <b>Zn</b> Zinc 63.58
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Streamlining industry workflows	Insurance reconciliations <div>PARAMETRIC SMART INSURANCE CONTRACTS</div>  Clinical trials							
Automating contract administration	New financial instruments  Commercial construction  <ol style="list-style-type: none"><li>Contract written in blockchain code</li><li>Triggering event</li><li>Contract executed while privacy maintained</li></ol>							

Blockchain improved information completeness and information accuracy respectively by an average 216 percent and 261 percent compared with the digital state-of-practice solution.



Blockchain-enabled solution was robust in the face of increased granularity, while the conventional solution experienced 50 percent and 66.7 percent decline respectively in completeness and accuracy of information.

## CIRCULAR: IMPROVING THE SUPPLY CHAIN

TRACKING RAW MATERIAL THROUGH A SUPPLY CHAIN BOILS DOWN TO SOLVING SIX CORE PROBLEMS:

1. Vetting supply chain participants
2. Reliably digitizing the commodity at its source
3. Scanning & tracking raw materials through the supply chain
4. Automating compliance to deter tampering at each production stage
5. Streamlining manual & paper-based workflows
6. Eradicating fraud & human rights abuses

Everledger tracks diamonds.

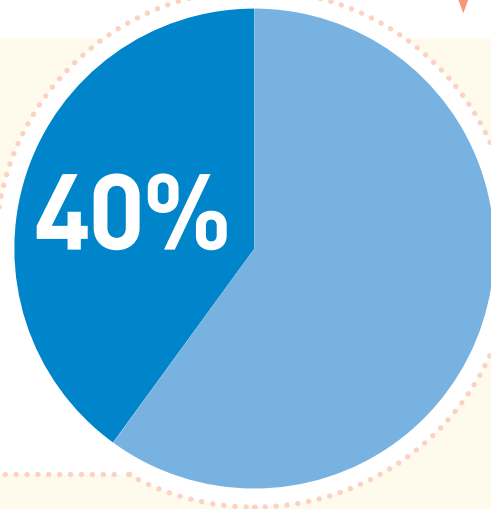


Each diamond is measured on 40 data points.

## BLOCKCHAIN TRANSFORMATIONS ON THE HORIZON

- 1 Blockchain-based banking & global financial markets

Global payments revenues in 2020 were nearly **\$2 TRILLION** & accounted for 40 percent of banking sector revenues



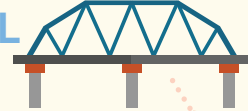
Launching new financial issues can reduce the fixed costs & timeframes for standard debt deals by **60-80%**

- 2 Blockchain & identity management



- 3 Blockchain & the Internet of Things

POTENTIAL FAULTS



CUSTODY HYGIENE



POTENTIAL PESTICIDES OR PATHOGENS



POTENTIAL CRIMINAL OR TERRORIST



Read the full white paper by **Anthony Williams**, **Tahirou Assane**, and **Emil Andersson**.

Learn more about the **Blockchain Research Institute**: <https://www.blockchainresearchinstitute.org/>

Learn more about the **Brightline Initiative**: <https://www.brightline.org/>