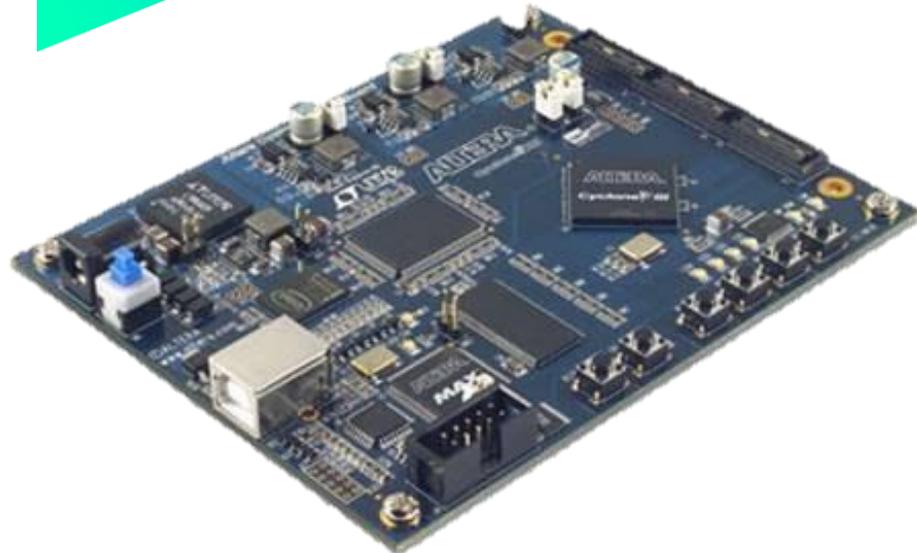# accenture

BLOCKCHAIN CERTIFIED SUPPLY CHAIN

SECURELY VALIDATING TRANSACTIONS

WHAT IS IT?

Time delays, increased costs and risks to security are just a few of the outcomes that plague supply chain systems when faulty, counterfeit, or incorrect products are ordered or received. The Innovation Programme partnered with Thales to help companies enforce new supply chain standards and increase mission assurance using blockchain technology.

Our Blockchain solution provides an immutable audit trail proving hardware, software and documentation authenticity and compliance across supply chains. Using **CryptoSeal and FPGA fingerprinting technology,** we are able to give materials in the supply chain a unique identity to prove authenticity. This Proof of Value has the potential to completely revolutionise the supply chain systems we have been using for decades. This combination of technologies allows us to securely and transparently track all kinds of transactions, between OEMs, suppliers, manufacturers and customers.

Every time an item in the supply chain is exchanged, the transaction is permanently documented and easily recovered. The history and unique identity of a product is therefore monitored from raw materials and parts, to the sale of the finished goods. **This dramatically reduces time delays, added costs, and human error that affect the surety of transactions underpinning our supply chains today.**

KEY FACTS

15%
Estimated volume of components in the US armed services machinery which are counterfeit [1]

40%
Percentage of today's organizations not currently pursuing increased mechanization to streamline supply chain processes [2]

$0.6tn
Global economic value of counterfeiting and piracy that has risen from figures recorded in 2015 [3]

BENEFITS

1. A huge benefit of blockchain technology is **traceability and security**, you can add any number of participants and touchpoints to a supply chain **without compromising its efficiency.**

2. Incorporating blockchain into supply chain allows for a **more reliable marketplace**, ensuring only genuine components will be utilised, provided **by trusted suppliers.**

3. Blockchain promotes a transparent supply chain, increasing **trust, productivity and efficiency.**

[1] https://www.scientificamerican.com/article/the-pentagon-rsquo-s-seek-and-destroy-mission-for-counterfeit-electronics/
[2] http://expandedramblings.com/index.php/blockchain-statistics/
[3] https://www.voanews.com/a/global-trend-in-counterfeiting-and-piracy/3783360. html; http://www.inta.org/Advocacy/Pages/Anticounterfeiting.aspx