

News release FOR IMMEDIATE RELEASE

Contact: Amber Rouse
Title: Marketing & Communications
Tel: +352 451 452 361
Email: lupress@deloitte.lu

Blockchain and IoT to uncover serious issues in supply chains

Deloitte explores use cases in new whitepaper

Luxembourg – 27 November 2017

Human rights abuses, noncompliance with regulations, and fraudulent products take headlines when failures in supply chain management are revealed. While notions of transparency, fair trade, and sustainability are gaining importance in customers' purchasing decisions, most businesses must deal with complex and non-integrated supply chain networks.

Deloitte Luxembourg has investigated how a combination of new technologies can resolve these traceability issues in a new whitepaper entitled "Continuous interconnected supply chain: Using Blockchain and Internet-of-Things in supply chain traceability."

"As the current standard supply chain process is based mainly on trust, many issues could fall through the cracks," states Patrick Laurent, Technology Leader at Deloitte Luxembourg. *"Redefining the entire system with secure platforms gives peace of mind to each stakeholder while significantly improving efficiency."*

Tracking the trace

The technology behind sensors and electronic chips is evolving rapidly and renders them increasingly portable. This evolution gives companies the opportunity to attach sensors to physical goods to track their movement and progression, and thereby detect potential failures and fraud. Thibault Chollet, Blockchain Leader at Deloitte Luxembourg, explains further: *"If companies combine the data collected by these sensors, with blockchain technology, which provides standardization, transparency, and traceability, they can significantly mitigate their operational risks."*

Deloitte is a multidisciplinary service organization that is subject to certain regulatory and professional restrictions on the types of services we can provide to our clients, particularly where an audit relationship exists, as independence issues and other conflicts of interest may arise. Any services we commit to deliver to you will comply fully with applicable restrictions.

This communication contains general information only, and none of Deloitte Touche Tohmatsu Limited, its member firms, or their related entities (collectively, the "Deloitte Network") is, by means of this communication, rendering professional advice or services. Before making any decision or taking any action that may affect your finances or your business, you should consult a qualified professional adviser. No entity in the Deloitte Network shall be responsible for any loss whatsoever sustained by any person who relies on this communication.

Deloitte refers to one or more of Deloitte Touche Tohmatsu Limited, a UK private company limited by guarantee ("DTTL"), its network of member firms, and their related entities. DTTL and each of its member firms are legally separate and independent entities. DTTL (also referred to as "Deloitte Global") does not provide services to clients. Please see www.deloitte.com/about to learn more about our global network of member firms.

Deloitte provides audit & assurance, consulting, financial advisory, risk advisory, tax and related services to public and private clients spanning multiple industries. Deloitte serves four out of five Fortune Global 500® companies through a globally connected network of member firms in more than 150 countries and territories bringing world-class capabilities, insights, and high-quality service to address clients' most complex business challenges. To learn more about how Deloitte's approximately 245,000 professionals make an impact that matters, please connect with us on Facebook, LinkedIn, or Twitter.

Read more about the coalescence of these technologies and supply chain management in the whitepaper, available on Deloitte's website here:

<https://www2.deloitte.com/lu/en/pages/technology/solutions/blockchain-distributed-ledger-technologies.html?nc=1>

VERSION FRANCAISE

Blockchain et IoT (Internet des objets) pour détecter les problèmes graves dans les chaînes d'approvisionnement

Deloitte étudie les applications de ces technologies dans un nouveau white paper

Luxembourg – le 27 novembre 2017

Lorsque des défaillances dans la gestion de la chaîne d'approvisionnement sont révélés, les violations des droits de l'homme, le non-respect de la réglementation et la contrefaçon de produits font les gros titres. Alors que les notions de transparence, de commerce équitable et de développement durable pèsent de plus en plus dans les décisions d'achat des consommateurs, la plupart des entreprises doivent faire face à des réseaux de chaînes d'approvisionnement complexes et non-intégrés.

Deloitte Luxembourg a enquêté sur le sujet et explique comment une combinaison de nouvelles technologies peut résoudre ces problèmes de traçabilité dans un white paper intitulé « *Continuous interconnected supply chain: Using Blockchain and Internet-of-Things in supply chain traceability* ».

« Comme le processus de chaîne d'approvisionnement standard repose sur la confiance, de nombreux problèmes sont susceptibles de passer entre les mailles du filet, affirme Patrick Laurent, Technology Leader chez Deloitte Luxembourg. Redéfinir l'ensemble du système avec des plates-formes sécurisées apporte une tranquillité d'esprit aux différentes parties prenantes, tout en améliorant considérablement l'efficacité. »

Suivre la trace

La technologie sous-jacente aux capteurs et aux puces électroniques évolue rapidement et ne cesse d'améliorer leur portabilité. Cette évolution permet aux entreprises d'intégrer des capteurs aux biens physiques pour suivre leur évolution et détecter ainsi d'éventuelles défaillances et fraudes. Thibault Chollet, Blockchain Leader chez Deloitte Luxembourg, explique en outre : « *En associant les données recueillies par ces capteurs, à la technologie blockchain qui est un gage de standardisation, de transparence et de traçabilité, les entreprises peuvent atténuer significativement leurs risques opérationnels.* »

Pour en savoir plus sur la façon dont ces technologies peuvent contribuer à la gestion d'une chaîne d'approvisionnement, découvrez le livre blanc, disponible sur le site Web de Deloitte : <https://www2.deloitte.com/lu/en/pages/technology/solutions/blockchain-distributed-ledger-technologies.html?nc=1>