

# No mistaking Australian steak – food agility project tackles food fraud

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Three tonnes of Australian beef packed in Casino NSW and bound for China is being tracked and verified using blockchain and Internet of Things technologies.

The shipment is the first in a Food Agility project, led by Queensland company BeefLedger Limited and QUT. It aims to stamp out the problem of 'fake steak' in international export markets, giving suppliers and consumers confidence that their meat is 100% Aussie.

The team is building a digital system using 'smart contracts' to replace forgeable letters of credit, developing and integrating a suite of technologies into new packaging to prevent the substitution of fake products, and building apps for consumers and suppliers so they can verify where their meat comes from.

Food Agility CEO, Dr. Mike Briers, says [food](#) fraud is a growing concern as the demand for Australian beef in markets such as China, outstrips supply.

"'Fake steak' is costing Australian producers millions, putting the health of consumers at risk and damaging the Australian brand. Crypto-technologies like blockchain create an unbreakable, immutable record, tracking a product from paddock to plate, credentialing the provenance of the produce, and giving confidence to consumers," says Dr. Briers.

BeefLedger builds connected supply chain systems for the beef industry. Chair, Warwick Powell (pictured below at the launch), says the new technologies do much more than track provenance and will be a game-changer for the [food industry](#).

"We can secure data to track the conditions of transport, more accurately predict shelf-life and use-by dates and connect consumers with producers," says Mr Powell.

"We can also encourage members of the supply chain to do the right thing by offering [economic incentives](#) through newly established cryptocurrencies and latest insights from behavioural economics."

Professor Marcus Foth from the QUT Design Lab (pictured below), says modern consumers demand trustworthy information about where their food comes from, its environmental footprint, and whether the animal was well cared for.

"How consumers interact with food provenance data is one of the things we're particularly interested in. Digital experiences that draw [consumers](#) closer to the source and producers of their food are central in shifting the agrifood system to more [sustainable practices](#)," says Professor Foth.

Provided by Queensland University of Technology

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