

# HUMANITARIAN BLOCKCHAIN



## WHAT IS IT?

Currently, Non-Governmental Organisations (NGOs) only receive payments for their services once they have proven the results of their project. This payment method is referred to as “Payment by Results” (PBR). Although widespread, **PBR constrains NGOs scale and reach due to the high up front working capital costs.**

The blockchain solution for humanitarian development projects, created by the Accenture Innovation Programme creates a solution to this problem. This Proof of Concept (PoC) enables the NGO user to upload photographs throughout the project’s progress. The photos are verified in real-time which authorises progress based payments being made to the user. This enables limited working capital to go further and help more people.

**Patent-pending, this PoC leverages a combination of blockchain technology with artificial intelligence smart verification tools** from Microsoft Cognitive Services. Not only does this PoC increase the ease, integrity and reliability of the payment process for humanitarian development projects, but it will increase the number of NGOs who are able to offer their services and increase the number of communities they support.

## KEY FACTS



**£15bn**  
The amount PBR schemes account for from UK public spending, neither the cabinet office nor the treasury currently monitors how exactly this is being distributed<sup>[1]</sup>



**\$20bn**  
Is the amount the global blockchain market is expected to be worth by 2024<sup>[2]</sup>



**40k**  
The approximate number of International NGOs<sup>[3]</sup> + millions of small national and local civil society organisations

## THE BENEFITS

1. Smart verification allows the organisation to pay for produced items **in real time.**
2. Smart contracts ensure **accurate documentation of money transfer.**
3. This solution opens the market for NGOs supporting charities by **reducing the need for high up-front capital investment** in projects.
4. Microsoft Cognitive Services provides **scope and flexibility**; allowing developers to add features such as emotion detection to their applications with zero expertise in machine learning.

<sup>[1]</sup> National Audit Office  
<sup>[2]</sup> <http://expandedramblings.com/index.php/blockchain-statistics>  
<sup>[3]</sup> [www.ngo.in](http://www.ngo.in)