

A large, stylized red letter 'M' is positioned on the left side of the slide. It has a thick, rounded font style. The background features a complex geometric pattern of overlapping triangles in shades of blue, grey, and yellow. A white diamond shape is centered on the right side, containing the title and date.

# iM8 Blockchain Architecture

September 2020

# Confidentiality Statement

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At iM8 we transform  
the traditional QR  
code into an  
individualised  
dynamic digital tag

We give each  
product its own  
unique fingerprint



# Blockchain Guaranteed Traceability



# Blockchain Verified Usage Transparency

The user uses their phone to scan the Blockchain secured QR area code to receive instant verification as to when the area has been sanitised

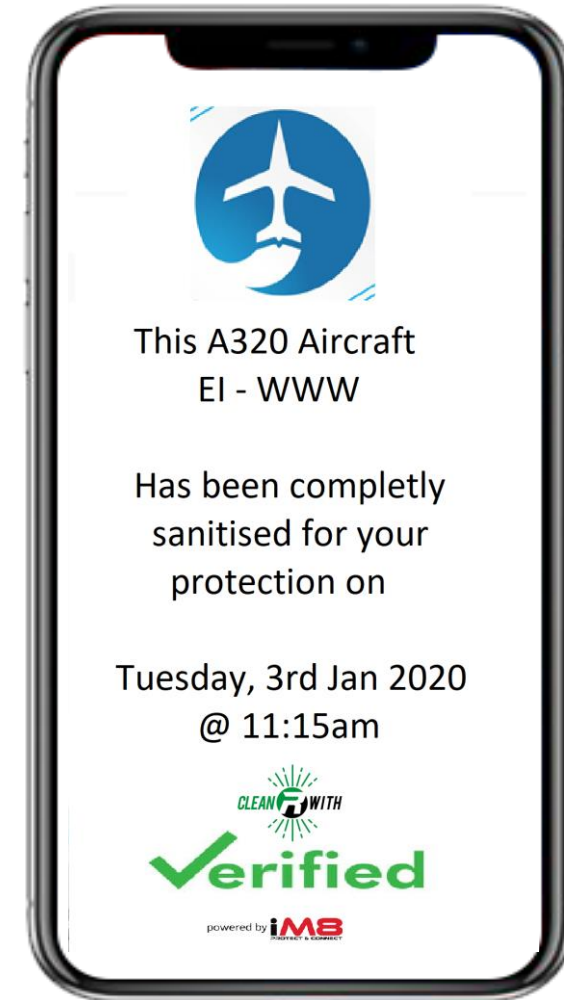


Scan to Verify



powered by **iM8**  
PROTECT & CONNECT

Scan



# Product Usage Tracking

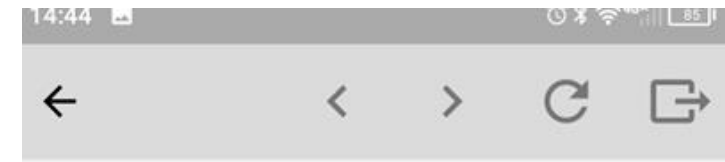
iM8 tracks and records every time a multi use  
surface cleaner is used

This genuine cleaning product  
has been used at the following  
times and spaces:

Count	Date Used	Space Used
1	Tue Jul 07 15:42:54 CEST 2020	Les Toilettes
2	Tue Jul 07 15:44:37 CEST 2020	La Classe 3
3	Tue Jul 07 17:01:42 CEST 2020	Les Toilettes
10	Wed Jul 08 15:21:53 CEST 2020	La Classe 3
11	Sat Jul 18 20:14:26 CEST 2020	503
12	Sat Jul 18 20:45:21 CEST 2020	503

# Product Usage Tracking

iM8 tracks and records every time an atmospheric sanitiser is used, either on its own or in conjunction with a multi use surface cleaner



THE  
GALMONT  
HOTEL & SPA

This Certification confirms that **503** in the **thegalmont** has been sanitized and disinfected using genuine products on **Sat, 18/07/20 19:45** and last surface cleaning on **Sat, 18/07/20 19:45**





# The iM8 Blockchain

The iM8 Blockchain utilises the IBM Hyperledger Fabric Blockchain Ledger Architecture

This architecture is an open source platform created by IBM to encourage the use of Blockchain solution in businesses and to develop Blockchain technology for wider industry

## What is blockchain technology?

Blockchain is a shared, immutable ledger for recording transactions, tracking assets and building trust. Discover why businesses worldwide are adopting it.

→ [Get started with IBM Blockchain](#)





# The iM8 Blockchain

**Fraud avoidance.** The distributed and tamper-resistant nature of blockchain platforms could reduce the likelihood of fraud that may be inherent to specific industries. The value this benefit provides could be quantified by evaluating fraud risk exposure and calculating the resultant risk reduction that could be realized from implementing a blockchain-based solution.

**Inventory loss avoidance.** Blockchain platforms could improve efficiency and provide clarity and insight into the overall supply chain. This benefit could be quantified by identifying the efficiencies and savings that blockchain delivers to your organization. For example, moving to blockchain-based supply management can reduce food spoilage by shortening the time to get through the supply chain, or by identifying the specific food shipments that may be spoiled or otherwise contaminated during a recall.



**Hyperledger Fabric** is a blockchain framework intended as a foundation for developing business applications or solutions with a modular architecture.

## The size and scale to help solve your business challenges

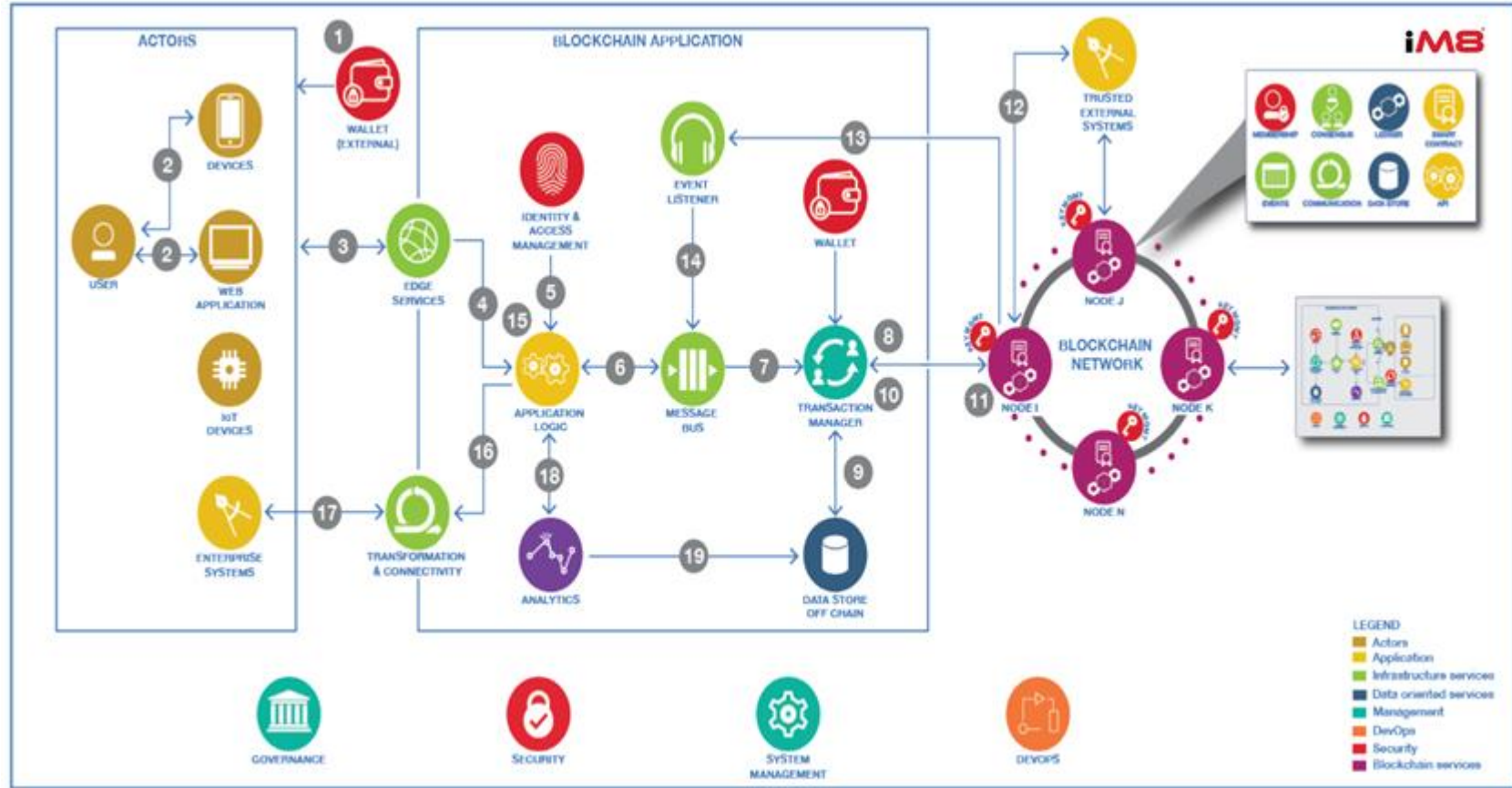
No matter where you are in your blockchain journey, IBM helps you rapidly simplify blockchain complexity to commercialize a network, unlock new value and scale up competitive advantages.

# #1

ranked by Juniper Research<sup>1</sup>  
and HFS Research<sup>2</sup>

# 500+

blockchain client engagements  
to date



# iM8 Blockchain Reference Architecture

# What does a Blockchain transaction look like?

Successfully enrolled user "admin" and imported it into the wallet

Successfully enrolled user "appUser" and imported it into the wallet

```
{"name":"Zain","description":"this is a test customer"}
```

```
{"owner":"NoOwner","name":"blue shirt","description":"this is a test","category":"Clothes","status":"Available"}
```

```
{"owner":"Cust0","name":"BlueShirt","description":"test","category":"Clothes","status":"Sold"}
```

Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.0181 sec

(Transaction log from iM8 Blockchain – 27/07/20)

Diolch Kiitos  
Shnorhak

umesc  
neun

Kasih  
Mamnoon

Toda

Hvala

Shokriya  
Ngiyabonga

Dziękuję

Shokrun

Spaas Mul

Ači

Xie

Merci

Gra

Dankie

Dhanyavaad

Go

Grazie

Faleminderit

Kruthagnathalu

Arigatou

Dhonnobaad

ederim

Asante

Hain

Dhan

daa

im8®

THANK YOU

Khopjai

kun

Shukriya

Kun

Euxaristo

Terima  
Enkosi

Danke  
dank

Gomapsupnida

Fyrir

Blagodarly

La

Grazzi