



FarmaTrust

SAVING LIVES | BUILDING TRUST

Raja Sharif

www.farmatrust.com



LinkedLeaf

QUALITY • SAFETY • TRANSPARENCY

www.linkedleaf.co.uk

Cannabis CBD Legalization Insight



Compliance and Security Requirements



- Cannabis is a highly regulated industry similar to healthcare and finance
- Cannabis businesses fail if they cannot comply with the regulations on finance, security, labelling, testing, storage and/or transport
- Strict security measures on cultivation, processing, distribution need to be implemented

Cannabis CBD Legalization Insight



Value of Data

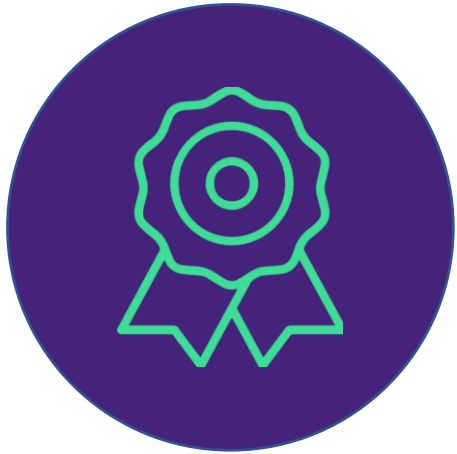


- **Agencies concerned with medical use are increasingly reliant on the collection of data**
- **Cannabis has been illegal therefore lack of available historical data on use dosage, price, supply and demand**
- **Business Intelligence creates more efficiency and safety**

Cannabis CBD Legalization Insight



Product Quality Requirement

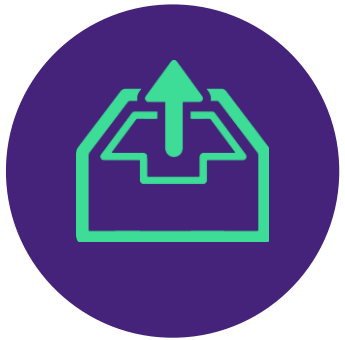


- Increasing legalization of the medicinal cannabis industry has raised expectations for high quality (and regulated) product
- Regulatory bodies and healthcare professionals raising questions regarding the use of pesticides in cultivation and chemicals for extraction
- Unscrupulous Operators and Counterfeits risks Brand Value

Cannabis Industrial Opportunity



Inefficient and immature sector



Inefficient
inventory
management



Not fully
integrated, **non-**
automated
administrative
system



Delayed
reimbursement
and returns
process



Extra cost of
fraud,
counterfeit and
theft



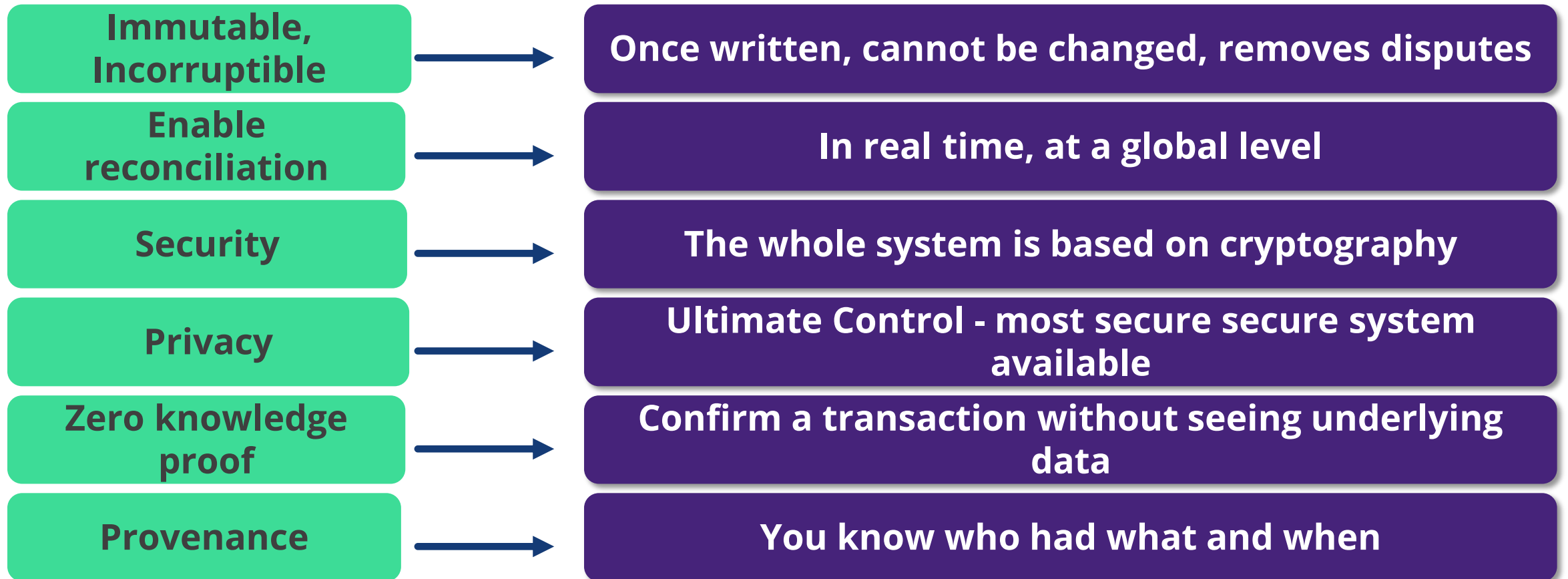
Inefficient
batching and
delivering route
of goods

What is LinkedLeaf?

- Focus on Medicinal/Regulated Cannabis
- Provides pharmaceutical grade technology for “track&trace” services
- Business Intelligence to reduce costs and increase efficiency
- Provide governmental and regulatory assurance and easier to obtain licences
- Futureproof – utilising blockchain and sensor technology
- Mobile First tech - cost effective solutions



Benefits of a Blockchain Solution



Blockchain and IoT in the Cannabis Industry



Critical points in cannabis agriculture and supply chain

**Genetic
Optimisations
and Seed
Management**

**Monitoring
Environmental
Conditions**

**Supply Chain
and
Distribution**

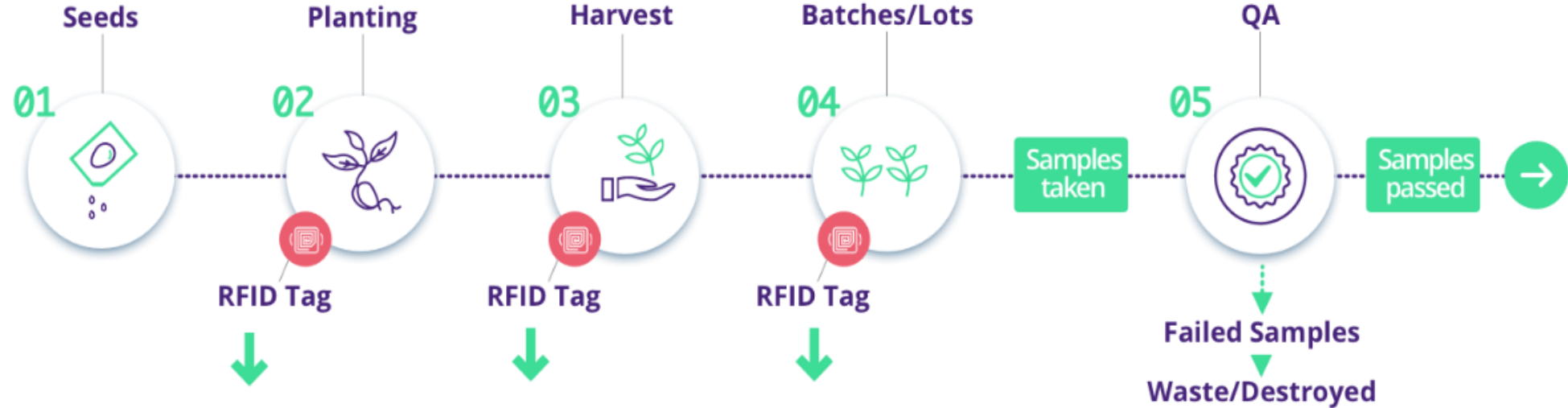
**Regulation and
Compliance**

LinkedLeaf in Medicinal Cannabis Industry



Economic advantage of using blockchain and IoT in Cannabis Industry

Physical Process



- Retail
- Research
- Manufacturer/Extractor

Works seamlessly with IoT
Works seamlessly with RFID

Works seamlessly with any kind of sensor + blockchain

Traceability



LinkedLeaf Services

Mobile & Web Applications

Monitor Environmental Conditions

- Monitor Environment Data (track nutrients, water cycles, soil etc)
- Track Plants Status (flowering, harvested, planted, cloned etc)
- Data Analytics to recreate same product



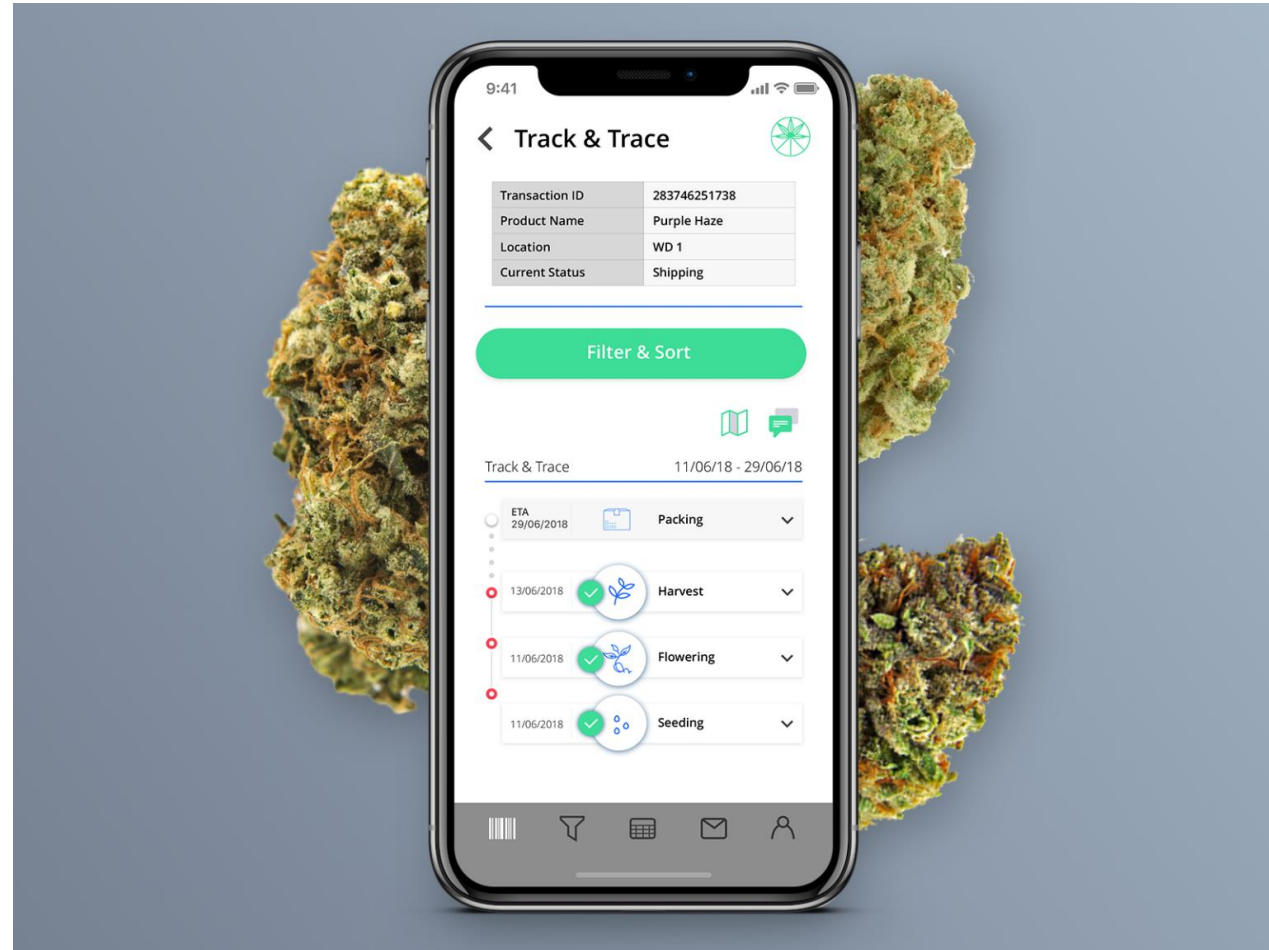
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Mobile & Web Applications

Data Collection and Analysis

- Calculate ROI connected to cultivation methods
- Productivity / Yield Forecasting
- Overview of products and demand
- Data Driven business decisions



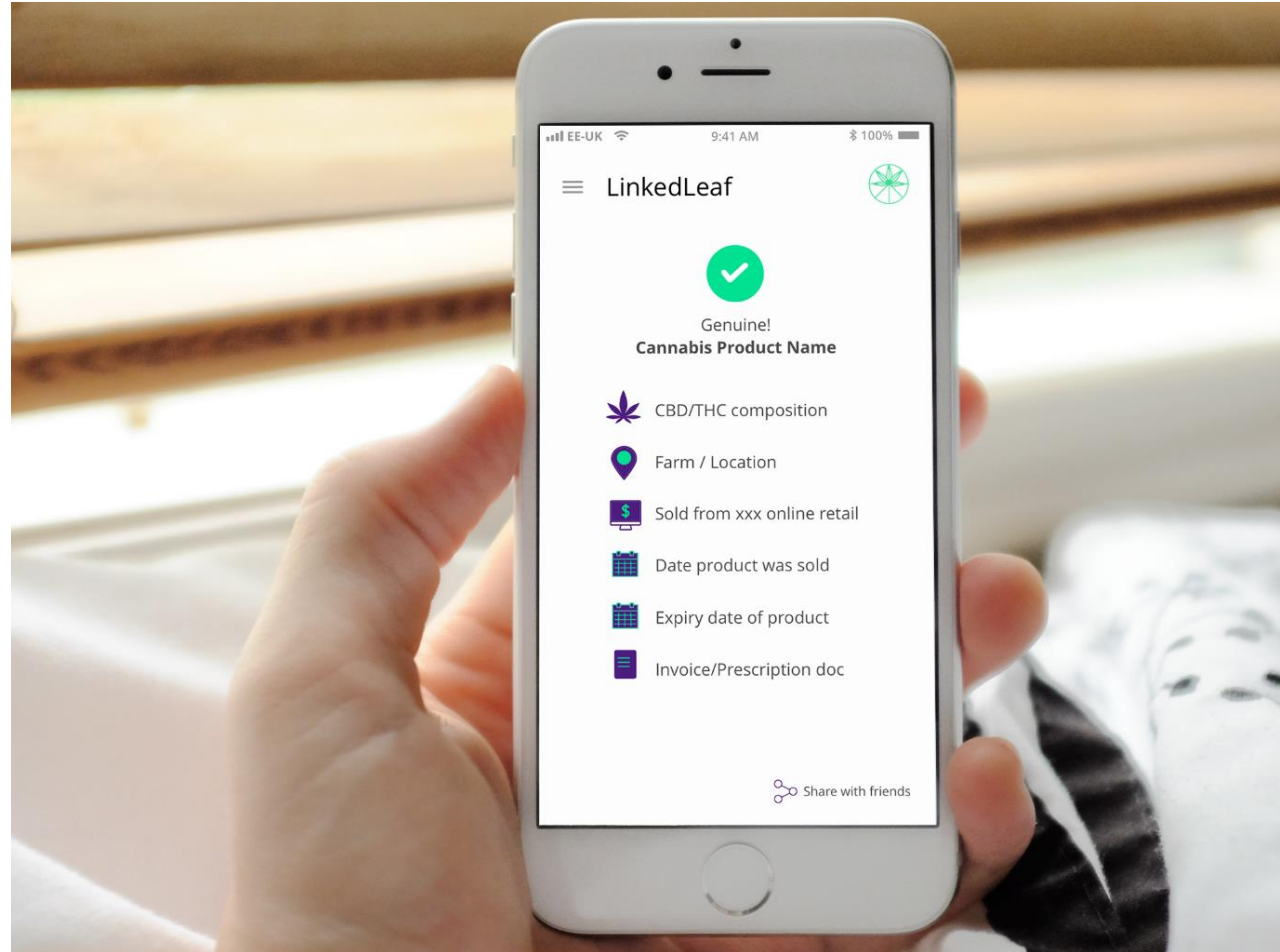
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Mobile & Web Applications

Consumer App

Full Provenance Data

- Active Agent and Composition
- Farm/location Data
- Date harvested, sold
- Expiry date (if applicable)
- Invoice / Prescriptions



LinkedLeaf Services

Business Intelligence Applications



The screenshot shows a web browser window with the URL www.linkedleaf.com. The interface includes a search bar at the top, a navigation menu on the left with options like "Cannabis Search", "Date Range", "Product Name", "Category", "Production Process", "Batch Lot/Number", and "Business Partner". The main content area displays a production process flow with stages: Seed, Plant, Harvest, QA, Packing, Transport, and Online Retail. The QA stage is highlighted with a blue arrow pointing to it from the Harvest stage. Below the flow is a map of North America with a flight path and an airplane icon. A tooltip on the map displays "Expected Arrival: 12/03/19" and "Courier: ABC". At the bottom, there is a data table with columns for SSCC, Status, Quantity, From_Name, From_City, To_Name, To_City, CarrierService, and DeliveryDate.

| SSCC | Status | Quantity | From_Name | From_City | To_Name | To_City | CarrierService | DeliveryDate |
|-------|---------|----------|-----------|-----------|---------|---------|----------------|--------------|
| 12345 | shipped | | | | | | | |
| 12355 | shipped | | | | | | | |
| 12334 | shipped | | | | | | | |
| 12344 | shipped | | | | | | | |
| 12336 | shipped | | | | | | | |

LinkedLeaf Services

IoT/Data Management Applications



The screenshot shows a web browser window with the URL www.linkedleaf.com. The dashboard is titled "IoT and RFID Management" and is divided into two main sections: "IoT Devices" and "RFID Devices (batch)".

IoT Devices Section:

- Grow House Temp Control:** Includes "Linked with BC", "Real Time Data", "Temperature Level", and "Personnel in charge".
- Grow House Humidity Control:** Includes "Linked with BC", "Real Time Data", "Humidity Level", and "Personnel in charge".
- Watering System Control:** Includes "Linked with BC", "Real Time Data", "Moisture Level", and "Personnel in charge".
- Facility Access Control:** Includes "Linked with BC", "Real Time Data", "Security Update", and "Personnel in charge".

RFID Devices (batch) Section:

This section displays a grid of 18 items, arranged in 3 rows and 6 columns. Each item is a card with a leaf icon, the text "Batch", and a "Latest Status" indicator with three dots.

Left Sidebar:

- Search bar
- Filter & Compare
- Overview
- Track & Trace
- Trade items linked W/BC
- Trade items not linked W/BC
- Regulation Compliance
- Data Dashboard
- IoT & RFID management** (highlighted)
- Settings

Bottom:

- Chat bubble icon
- Downward arrow icon



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