





DNES



Song-Ling



Cole



Dolly



Halen



Joel



Joakim



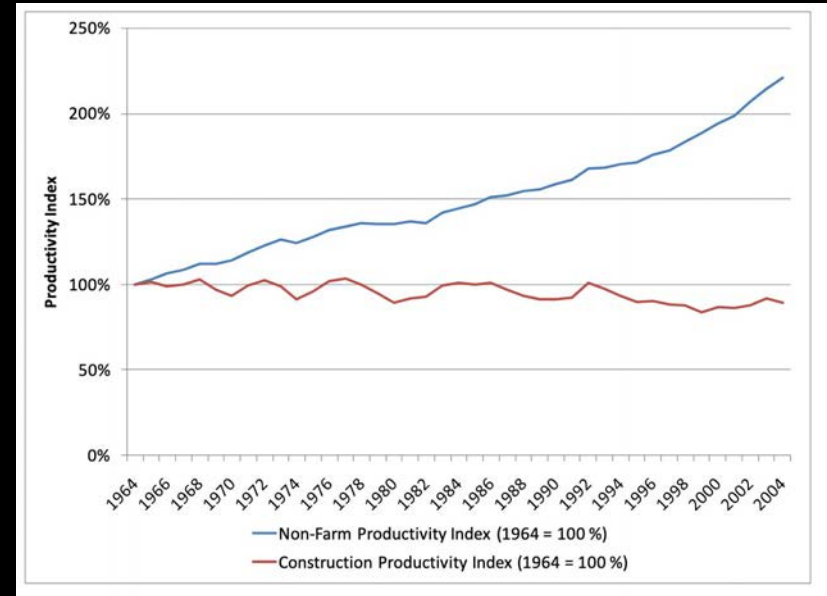
Mohammed Ali

The construction industry

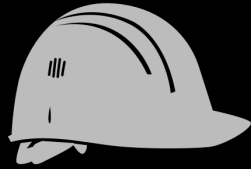
40+% still does business on paper

30+% of worldwide greenhouse gas emissions

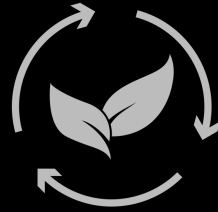
No significant productivity improvements in last few decades



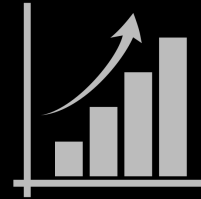
NIST Productivity Report



Safety



Sustainability



Productivity



Service \$





Troy Wright

Project Manager Silverado Demolition



Mark Idemoto

Sales Manager Stevens Creek Quarry



Marc Ferrari

President Ferma Corporation



Gustavo Deleon

Vice President 18 Trucking



McGUIRE
HESTER

Dulce Bugarin

Project Manager McGuire Hester



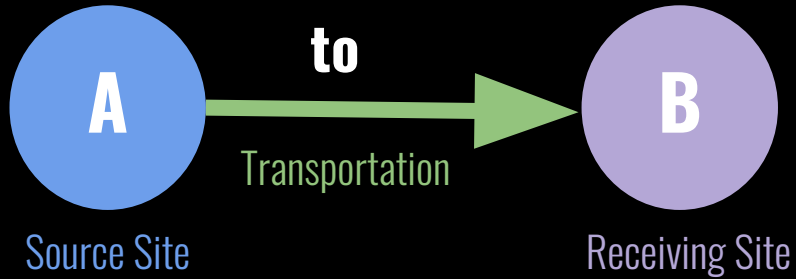
Our User & Need

“I need to keep the project moving, so we pay dirt brokers to take current surplus material so we have space to build”

“I spent 4 hours last night just organizing receipts and another 5 hours this morning logging them”



Dulce Bugarin
Project Manager McGuire Hester



Today...



Trust networks are limited



Materials intrinsically don't give information

Our Solution

DNES is the solution for **SEND**ing materials and...



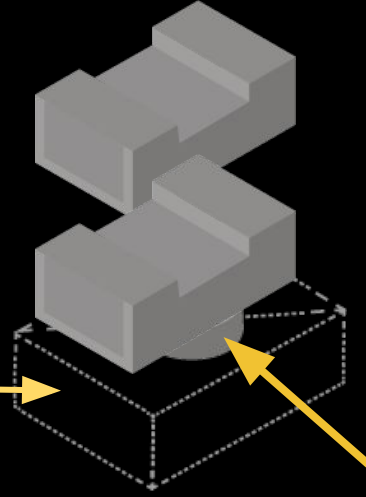
- Sensing Characteristics
- Recording Ownership
- Sharing Location
- Tracking transport
- Connecting stakeholders



Beacon

Heavy Duty Probe
FUTURE: different form factors

Embedded Moisture Sensor
FUTURE: more sensors



"Magnect" Adapter

LED Status Indicator

Charging port



Tracking toggle
for truck drivers

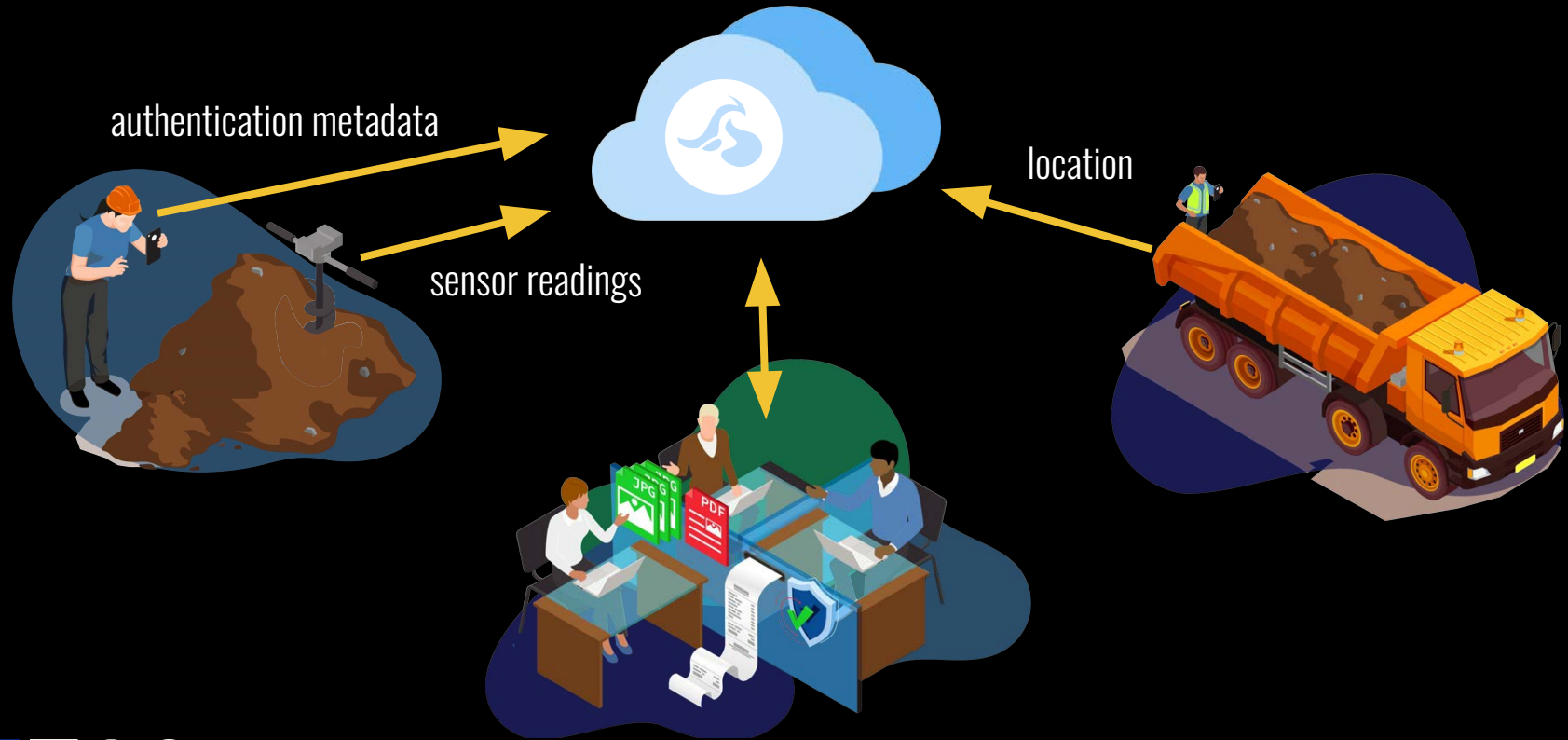
Rechargeable lithium ion battery



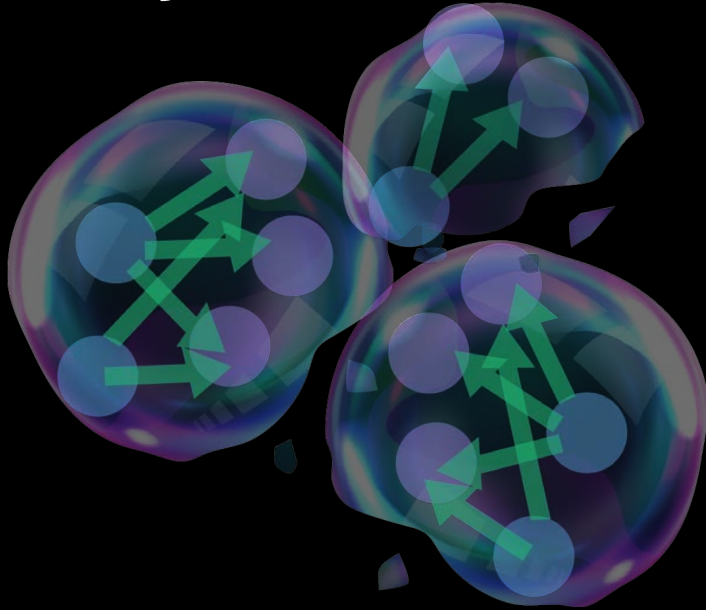
Magnetic connection
to sensor system

GPS, wifi and cellular connection

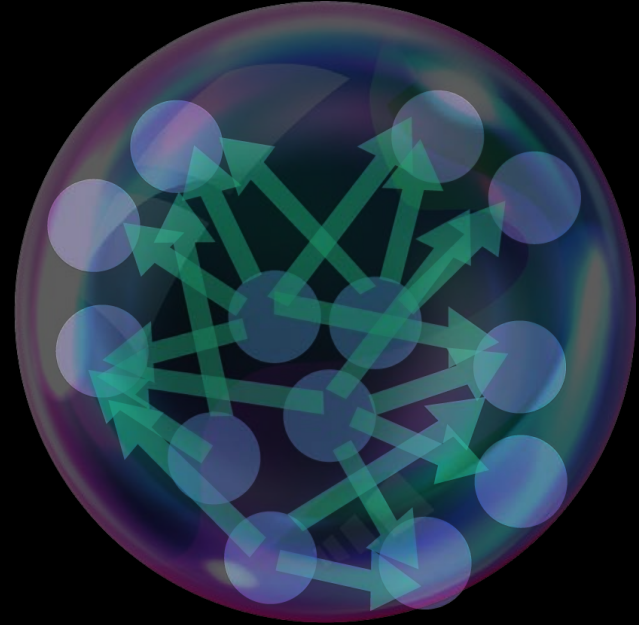
The **DNES** system



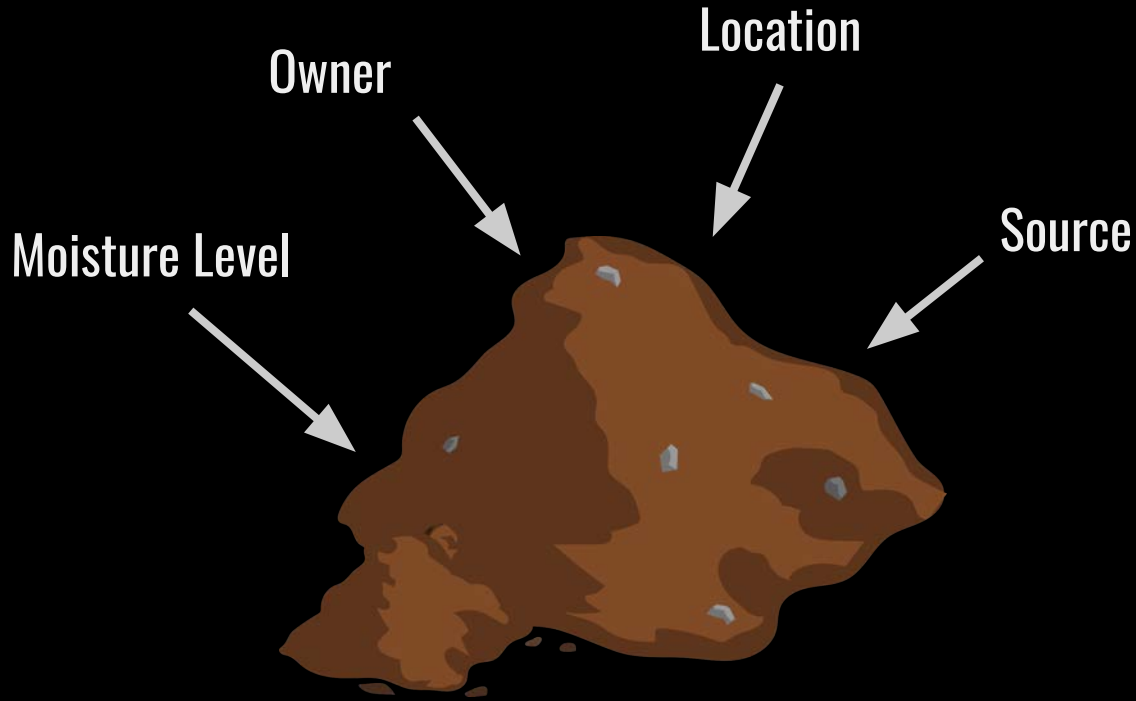
Today...



With **DNES**



Trust networks are **NO LONGER** limited



All this data is saved in ***DNES***

The **DNES** process



Material Registration



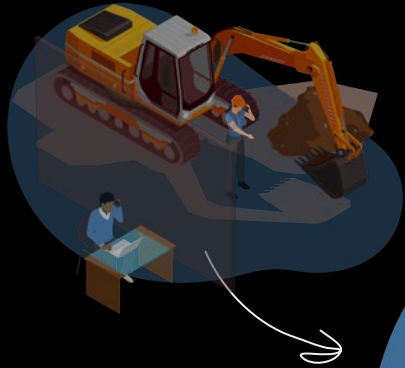
Register A New Material

Dolly Mantle will be marked as this material's registrator for Company B

Upload Material Data Sheet:

Choose File No file chosen

SUBMIT

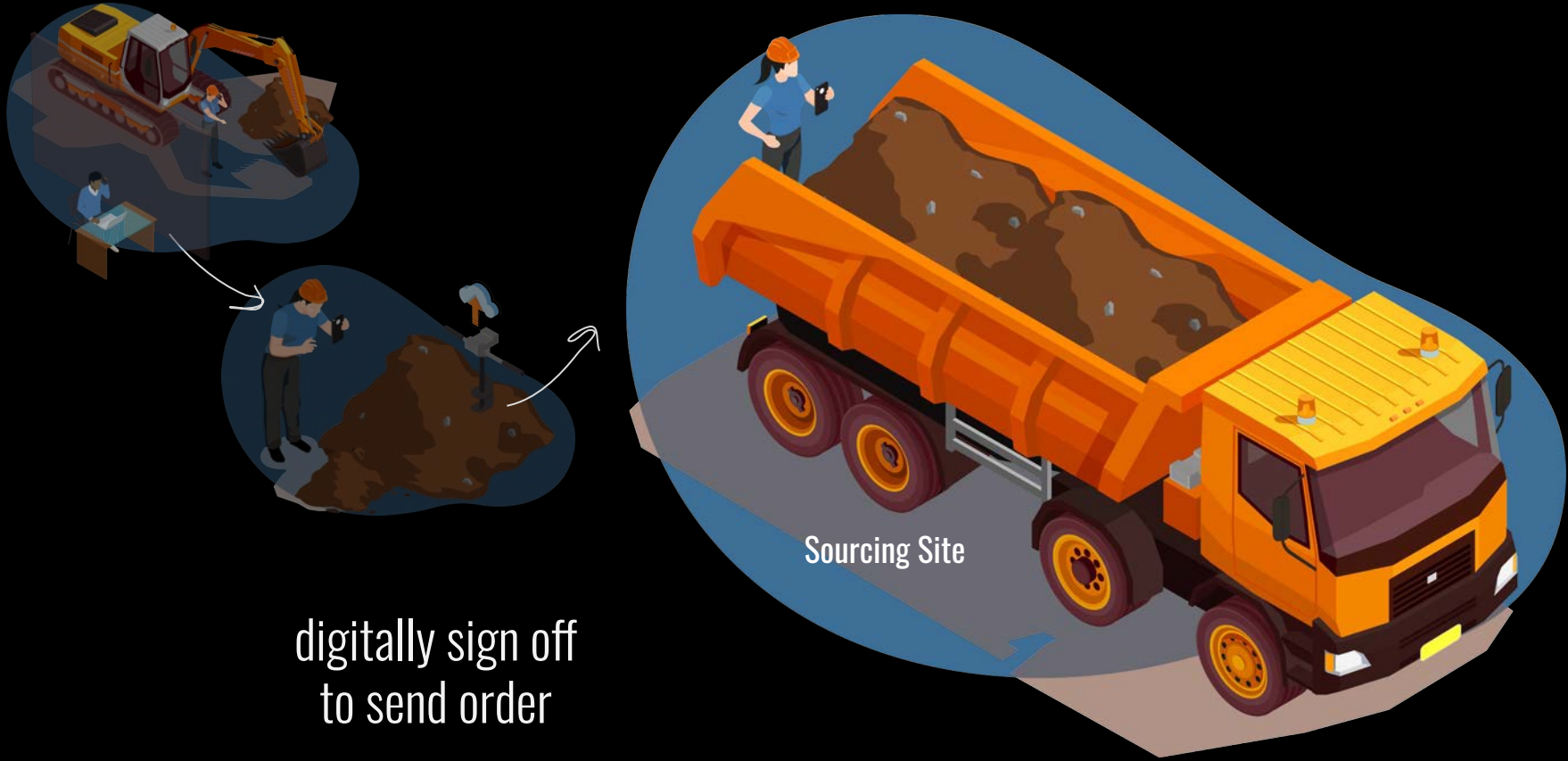


Sourcing Site

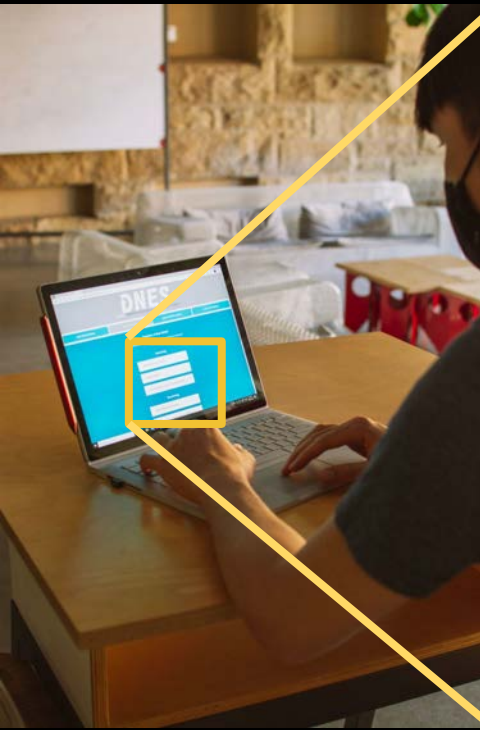


On-Site Material Data Collection





digitally sign off
to send order



Sourcing

-- Select Sourcing Company --

-- Select Material --

-- Select Person on Site to Confirm Delivery --

Receiving

-- Select Receiving Company --

-- Select Person on Site to Accept Delivery --

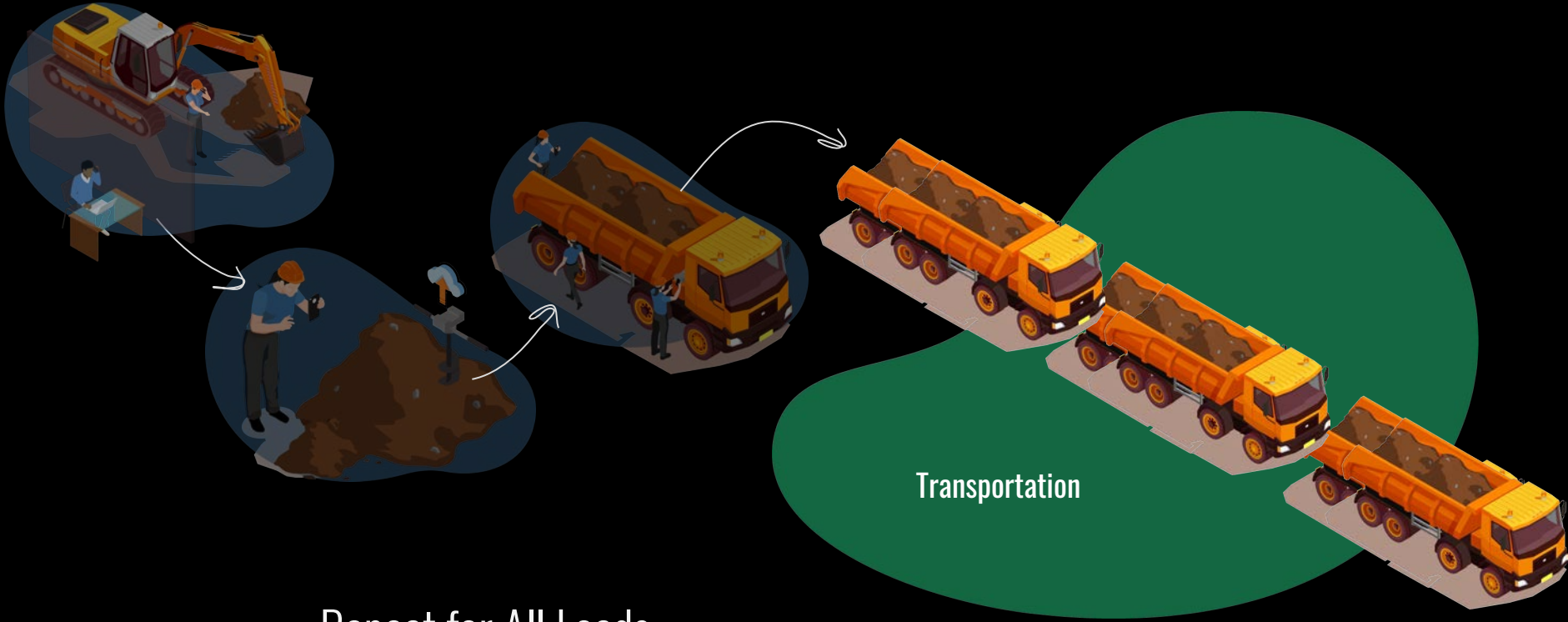
Transporting

-- Select Transporting Company --

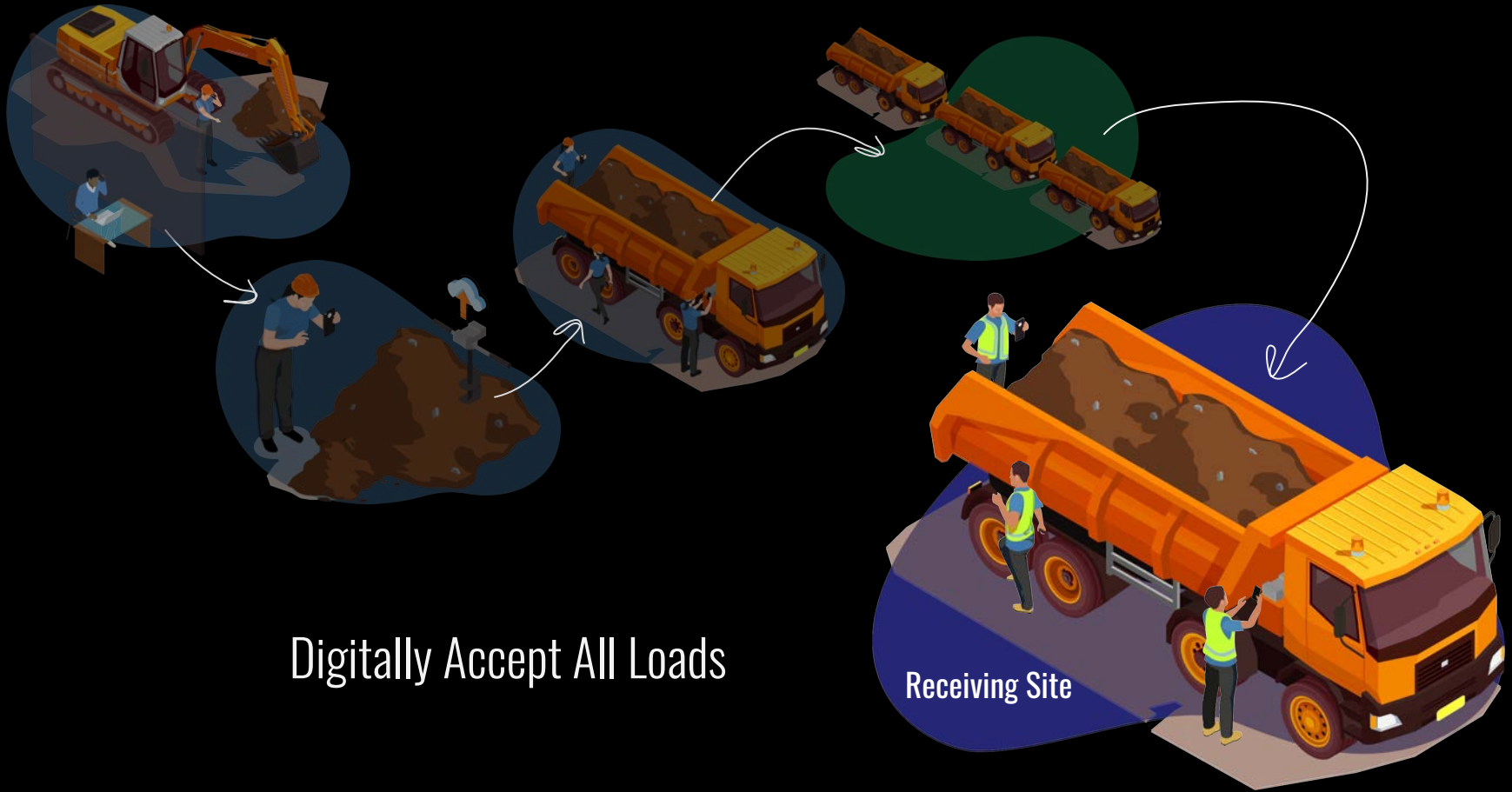
-- Select Transport Coordinator --

SUBMIT

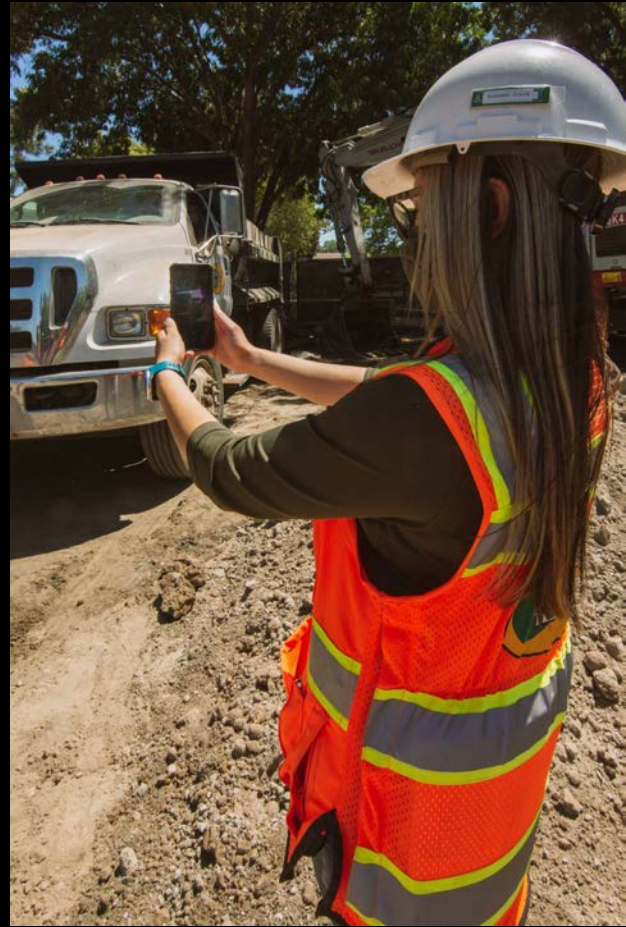


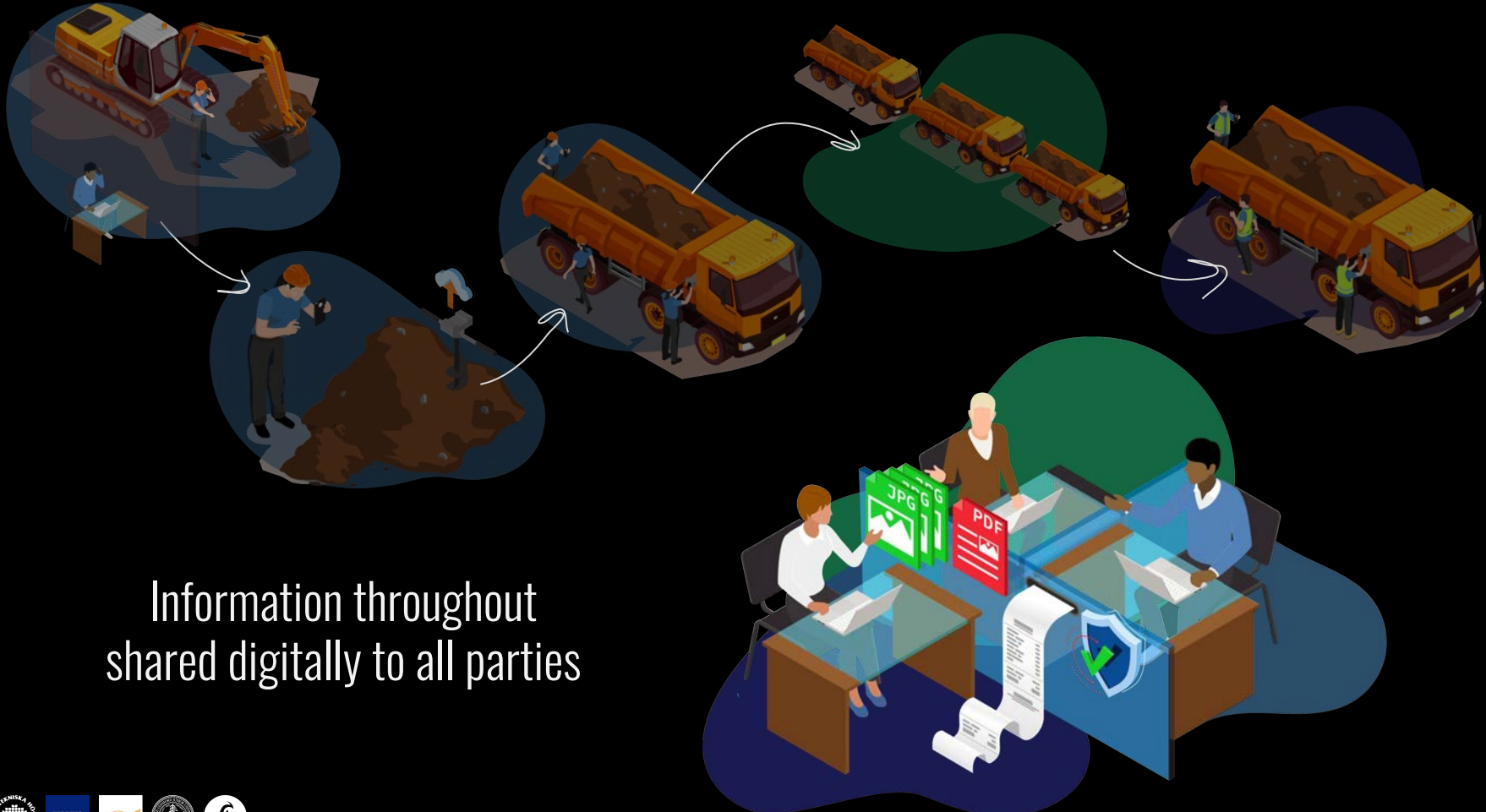


Repeat for All Loads



Digitally Accept All Loads





Information throughout shared digitally to all parties



LOGOUT

DNES

DNES: SMARTER MATERIAL BROKERING TODAY

ADD NEW MATERIAL

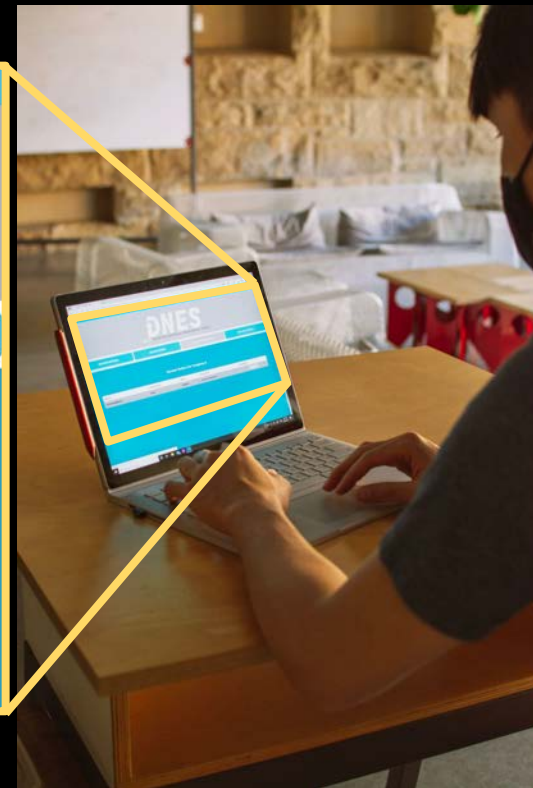
ADD NEW ORDER

VIEW CURRENT ORDERS

VIEW PAST ORDERS

Current Orders for Company B

Order ID	Material Name	Status	Date Started	View Details
order60ae8bf56e77	Demo	Initiated	2021-05-26 18:13:19	MORE
order60af13f62dbfe	WMBB Demo Mud	In-transit	2021-05-27 03:37:26	MORE
order60af159a1a729	Aggregate Base	Initiated	2021-05-27 03:44:26	MORE
order60af15c01caf6	Topsoil	Initiated	2021-05-27 03:45:04	MORE



Order order60ade59348779

Order Progression

ORDER
CREATION

2021-05-26 06:07:15

TRANSPORT
INITIATED

1 truck(s) sent

Beacon 4: 2021-05-26 06:07:51

DELIVERY

1 accepted truck order(s)

Beacon 4: 2021-05-26 06:08:56

Material Info



moisture value: 25

People Involved

sourcing company: Company A

transporting company: Company C

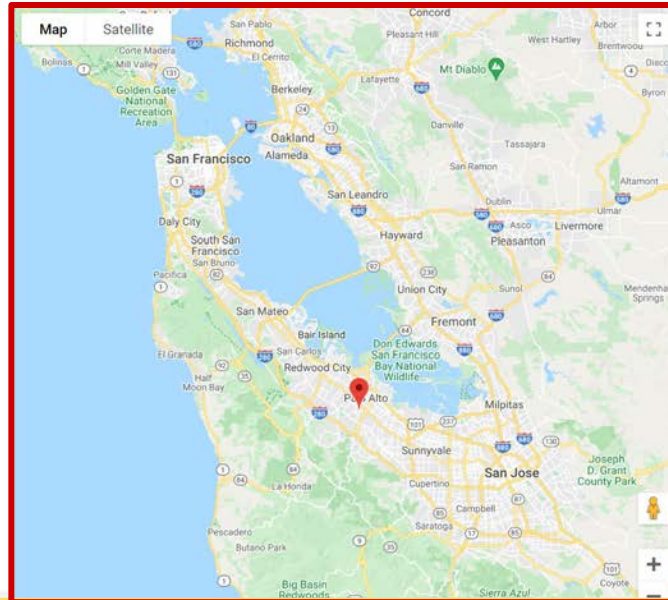
receiving company: Company B

order initiator: [Song Ling Shin](#)

source site authenticator: [Song Ling Shin](#)

receiving site authenticator: [Malen Mattison](#)

Demo Location



The **DNES** Return on Investment



User: Sales Associates

Easier to expand trust network

- Interact with all users on DNES platform

Decreased Carbon Footprint

- DNES data quantifies carbon impact
- Creates avenues to reduce transport distance



User: Transporters

Reduced cost of transport

- Up to 25% less transport mass
 - For a 10 truck fleet:
 - 5000+ gallons/year saved
 - +\$175k revenue

No need for onsite inspections

- Eliminates 1 trip to site per order



User: Site Managers

More sustainable surplus removal

- More connections to enable material reuse

No paperwork!

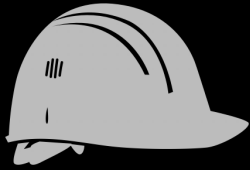
- Eliminates ALL time currently spent managing and documenting these processes
- NO more lost manifests



Dulce Bugarin
Project Manager McGuire Hester



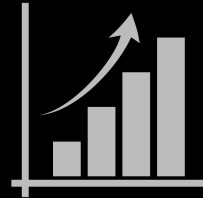
DNES



Trust between users
across the construction
ecosystem



Paperless
Smarter avenues to
deliver materials more
sustainably



Our platform and
generalized hardware
are **rapidly scalable**



Customers
Save Money
Volvo
earns money