



Blockchain technology to improve transparency in the mining sector.

Founder & CEO, Nathan Williams



RESOURCE MANAGEMENT WEEK 2021

ENABLING SUSTAINABILITY PRINCIPLES IN RESOURCE MANAGEMENT



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Minespider's blockchain traceability

Linked certificates capturing data at each stage of the value chain

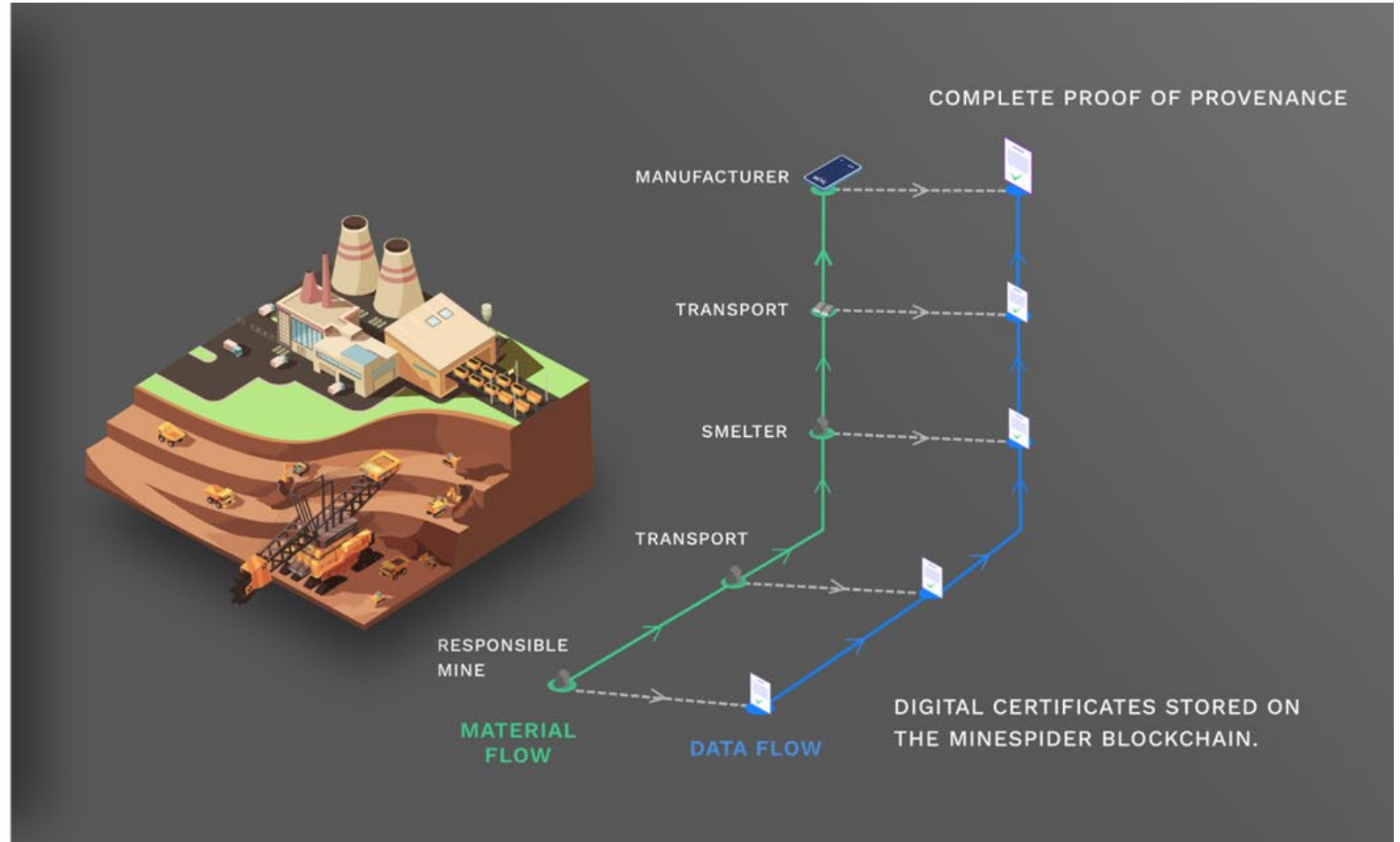


MINESPIDER

HOW IT WORKS

A CERTIFICATE SYSTEM.

Minespider is a blockchain infrastructure for creating digital certificates that travel along the supply chain with mineral shipments.



Traceability Projects

Case studies



MINESPIDER

MINESPIDER'S PROJECTS



Tin Traceability

PROGRESS OVERVIEW:

Successfully traced tin from Minsur's San Rafael mine in Peru, to the smelter, the refinery, the warehouse, then overseas to the end manufacturers of the end participants.



Volkswagen Lead Traceability

PROGRESS OVERVIEW:

We have identified 1000 supply chain participants and focused on companies that represented all different kinds of relevant stakeholders.

Important Learnings

What worked and what didn't



- End-to-end consortiums do not scale well.
- Different supply chain actors have different needs:
 - Regulators and downstream companies want transparency.
 - Upstream producers want market access, investment, and social license to operate.
- **We need producers to see value from traceability even if they participate on their own.**

Starting with producers

Starting with incentives for responsible supply



- Suppliers want to decommoditize and stand out from the competition.
- Starting with point-to-point traceability and adding value creates a market for transparent materials.
- Allows use cases to be tailored for each segment of the supply chain.

Oresource: one company at a time

An alternative to the consortium model



- Focus on import documents
- Easy compliance with EU Conflict Minerals Regulation
- QR codes on every batch
- Expandable to prior and subsequent supply chain stages



The Minespider Team

Experts in blockchain, policy, regulation & complexity.



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Thank you!

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