TRANQUILITY NODE
network economies

DISCERNING THE DIGITAL COMMONS FROM THE COMMON DIGITAL

We are specialist consultants in cryptocurrency, blockchain, DLT and decentralised systems design. We…

- validate decentralised systems designs and architectures
    - Vetting a proposed system against its design intentions

- design decentralised systems
    - Gather and validate requirements
    - Design the solution
    - Coordinate its development, testing and deployment

- design decentralised systems support tools
    - Digital asset custody
    - Systems administration and maintenance
    - Data analytics

- integrate to partner systems, services and business models

- resolve conflicts between profit making business models and decentralised technology models

Oscar Pacey

■ Blockchain specialist

■ Computer scientist

■ Ex equity derivatives sales trader

Combining markets and economics practice with rigorous computer science fosters sound blockchain and revenue model design

CLIENTS

- **Exchanges**
  - Currency, Token, Securities

- **Liquidity Networks**
  - Prime Brokerage, OTC dealing

- **Funds**
  - Cryptofunds, Funds of Funds, HF, VC, Asset Management

- **Asset issuers**
  - Competing with ETFs and other securitisation vehicles

- **Enterprise**
  - Shared ledgers, transparency, reconciliation reduction

- **Custodians**
  - Private key generation, storage and secure signing

- **The Royal Mint and CME**
  - Working through Cryptonomy we took the Mint from blue sky to implemented blockchain, trading platform, wallet service, legal compliance model and bespoke admin key custody solution

- **Aaro Capital**
  - Production of research reports on topics including the rationale and status of Web 3.0; quantum computing; the history of the DLT. The material is used to validate Aaro's investment thesis and convey it to investors

- **Archax**
  - Technical advisor to founders. Worked with them to rationalise a decentralised CSD strategy and presented to the FCA the theoretical background to their MPC custody solution. Ongoing research into emerging STO platforms

PORTFOLIO

- **WyzePay**
  - Technical architect of corporate currency platform. Enables merchants to issue discounted digital vouchers to their customers and high scale retail payments

- **Concordium**
  - Guidance on best practices for secure cryptographic key management, taking into account usability and security including strategies for backup and recovery

- **HCR Law**
  - Cryptocustody seminar to private clients

- **London Institute for Future Technology**
  - Blockchain course design and lecturer

- **Quantave**
  - Proposal for the board for implementing a customer buyout model as a means to grow liquidity
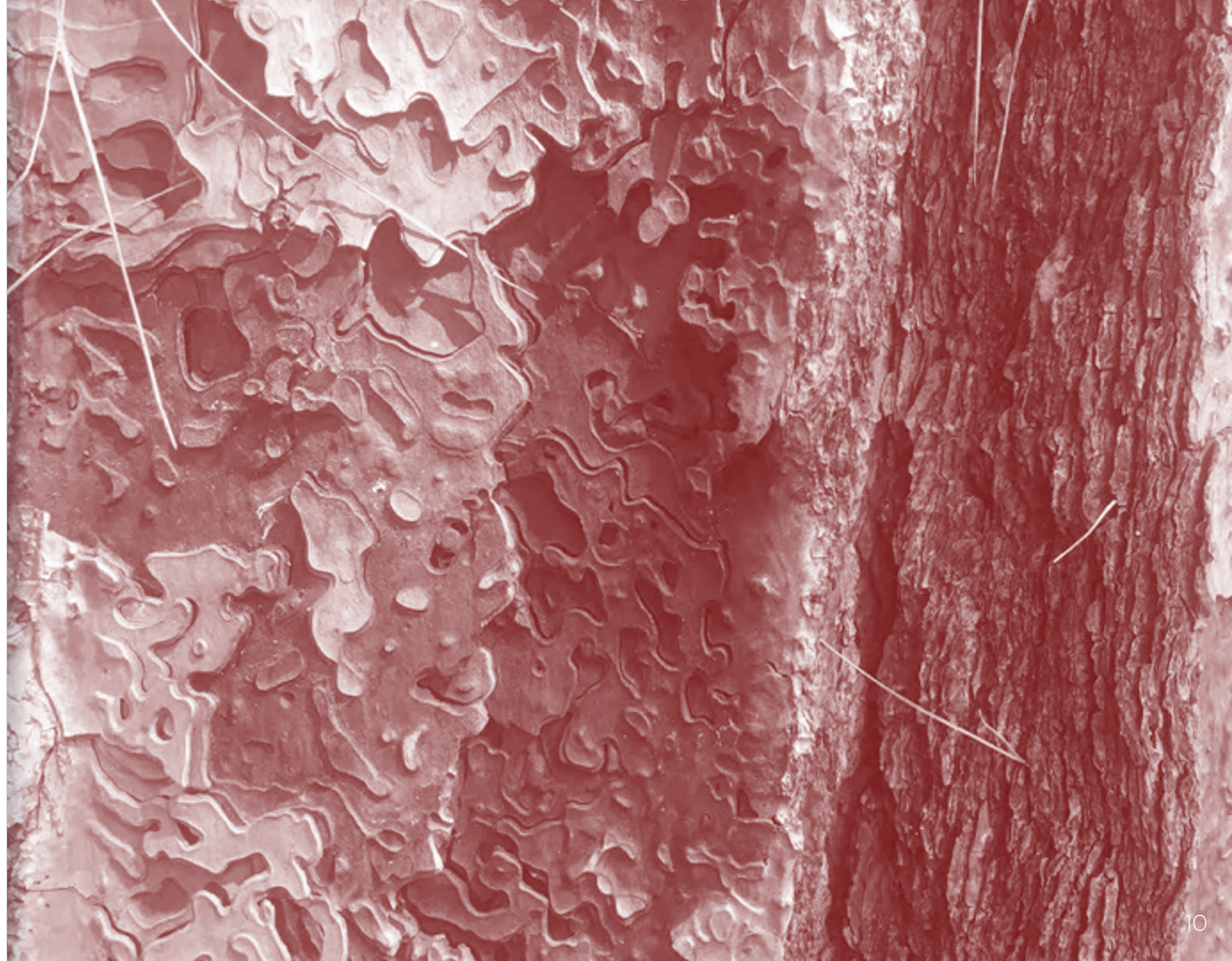
BLOCKCHAIN

How We Work Within This Sector

COOPETITION

■ Blockchain brings benefits where it can remove the need for a third party as a shared infrastructure between participants within an ecosystem whether that be a market, a supply chain or co-dependent competitors (like tailors on Saville Row)

■ Verifiable integrity of ledgers reduces need for reconciliation, intermediaries and auditors

■ Crypto-assets unlike traditional digital assets are bearer in form and thus empowering but difficult to handle safely

HOW WE WORK

- Each client has different needs but for most the first stage of engagement is establishing whether blockchains is the most appropriate technology for their requirements

- We can lead technology strategy, specification setting, sourcing and comparing solution providers and managing delivery

- Or we can advise on existing strategies to keep their implementation true, efficient and rational

R&D

- Provorma.com
  - A permissioned blockchain protocol for regulated and exempted private placement security tokens

- Excel Node Bridge
  - A set of libraries which interface between Excel and the RPC APIs of various blockchain nodes as well as public block explorers. Designed to facilitate accountancy of self managed crypto asset holdings including for tax valuations

- Consumer mining
  - Medium term analysis of the viability of the business model for consumer cryptocurrency mining. Carried out a 1 year test against the hypothesis that if kWh price isn't discounted then mining is loss making unless initiated at the start of a technological paradigm shift for a given protocol

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Your agent in the decentralisation ecosystem

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