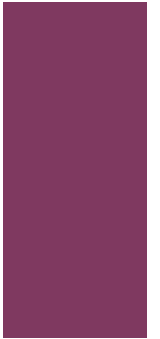


Blockchain, Disruptive Technology and Practicing Law

Derek Minus

+ DOWNLOAD THIS PRESENTATION

- Blockchain
- Disruptive
Technology
- Practicing Law



On your phone, iPad or PC at:
www.adr.org.au/Disruptive.pdf

+ Personal Path

- Blockchain
- Disruptive Technology
- Practicing Law



- Background in Technology, the Law and ADR
- Practise as Barrister, Mediator, Arbitrator
- Teach *Commercial Dispute Resolution* at USYD Law
- Appointed the government Mediation Adviser under Codes of Conduct for the franchising, horticulture and oil industries
- Attended Ethereum Developers Workshop in Aug, 2016



Programme advertises:

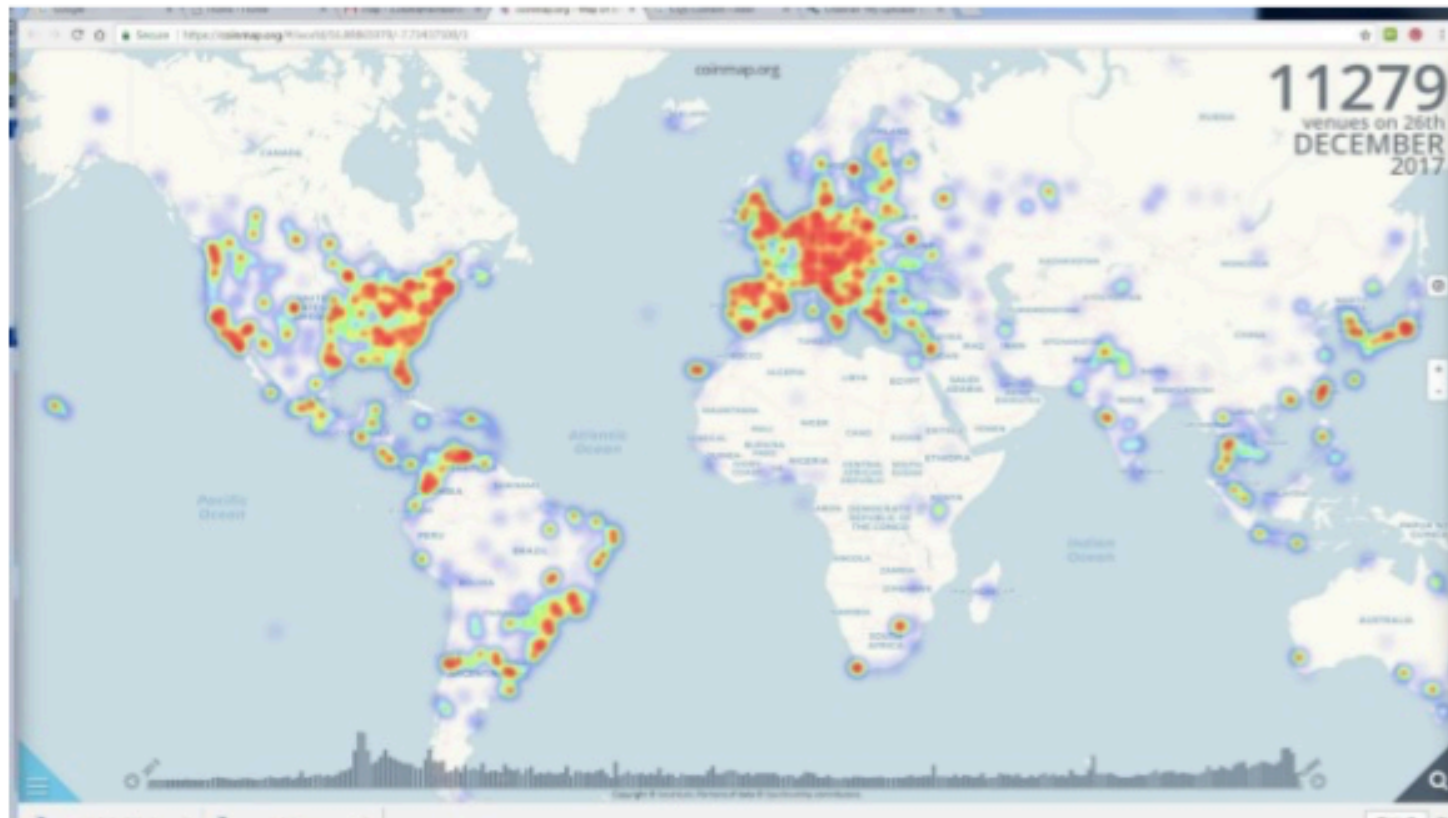
- Blockchain
- Disruptive
Technology
- Practicing Law



- Practicing law in the future with Blockchain and Augmented Reality technologies
- Integrating dispute resolution systems of mediation & arbitration into contractual disputes
- Appreciating the influence of technology on client expectations and lawyer's legal practice

Andreas Antonopoulos on how bitcoin is 'absolutely a bubble' and what's next

Dec 21 2017 at 11:00 PM Updated Dec 21 2017 at 11:00 PM

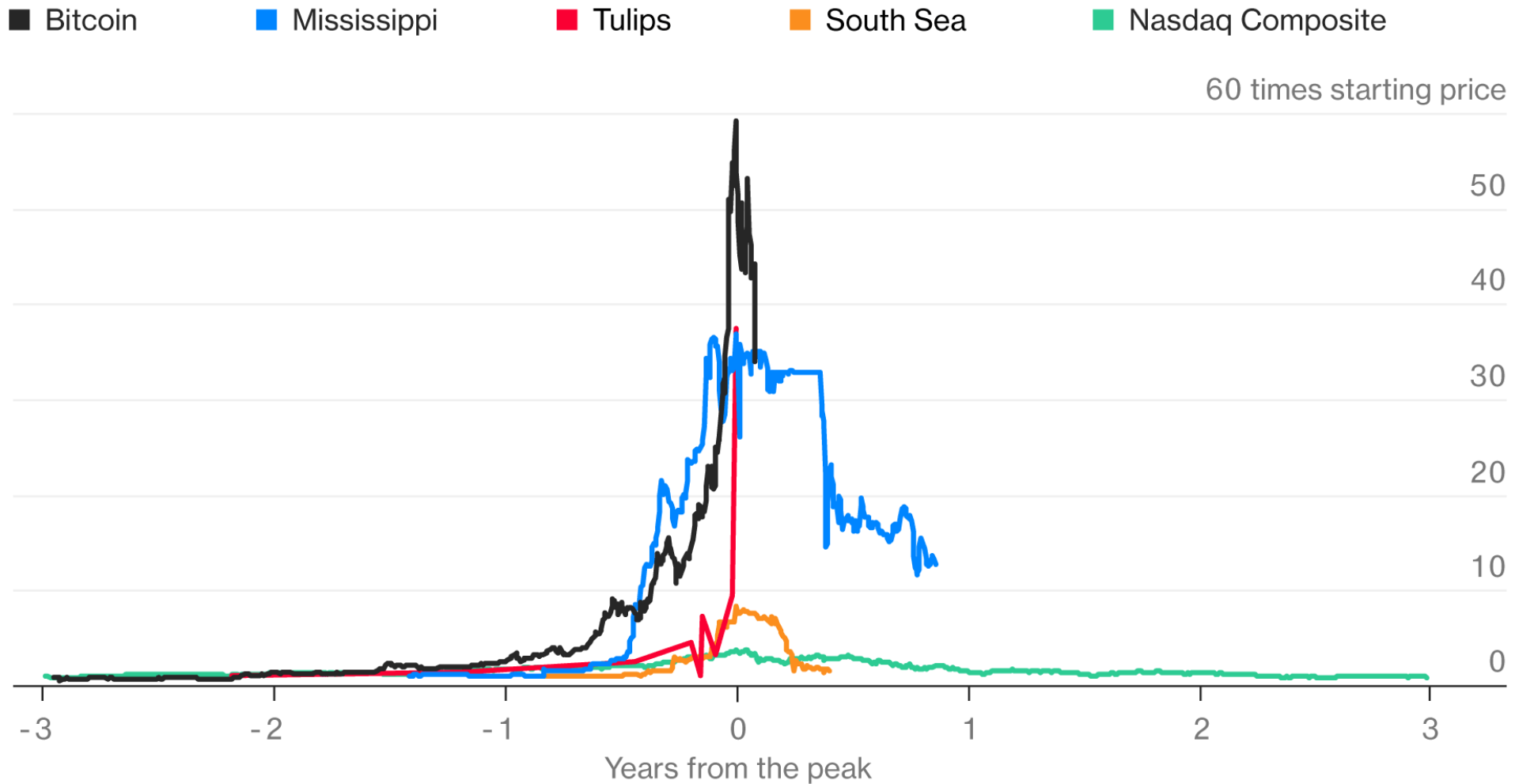


Bitcoin transaction map. The cryptocurrency's geographic independence means it can be farmed close to cheap and plentiful power supplies. coinmap.org



How Bitcoin's Ascent Stacks Up

The cryptocurrency's rally tops historical asset bubbles



Note: Starting price is the price three years prior to each asset's high, or the earliest available price in cases with fewer than three years of data.

Source: Bloomberg, International Center for Finance at Yale School of Management, Peter Garber

Bloomberg



- Blockchain
- Disruptive Technology
- Practicing Law



Australian 'bitcoin founder' Craig Wright accused of stealing billions of dollars of bitcoin

28 February 2018 – 6:31am



A

A

estate of a computer-security expert.

Craig Wright, [the Australian self-proclaimed inventor of bitcoin](#), is accused of swindling more than \$US5 billion (\$6.4 billion) worth of the cryptocurrency and other assets from the

Wright, who claimed in 2016 that he created the computer-based currency under the pseudonym Satoshi Nakamoto, allegedly schemed to use phony contracts and signatures to lay claim to bitcoins mined by colleague Dave Kleiman, another cryptocurrency adherent, who died in 2013, according to a lawsuit filed by Kleiman's brother.

Data and technology to transform the medical system

Feb 21 2018 at 7:00 PM Updated Feb 21 2018 at 7:00 PM



Artificial intelligence can play a major role in the future of healthcare. *Shutterstock*

by **Mark Eggleton**

This content is produced by *The Australian Financial Review* in commercial partnership with the Commonwealth Bank of Australia.

"We collect one billion times more data on our cars than our bodies," Murray Brozinsky recently stated at the Commonwealth Bank's Future of Health Conference.



- Blockchain
- Disruptive Technology
- Practicing Law



Why the sex industry is the perfect place to launch a cryptocurrency

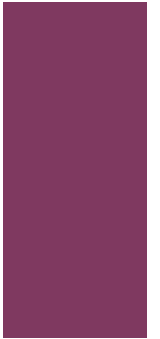
February 7 2018

Leah Callon-Butler wants to revolutionise the sex and adult industries using cryptocurrency.

Alongside her four co-founders she's helping develop a new cryptocurrency called Intimate which will operate as a digital payment option for adult or sexual products, services or offerings.

+ **Some Definitions**

- Blockchain
- Disruptive Technology
- Practicing Law



- Bitcoin
- Blockchain
- Smart Contracts
- Augmented Reality

+ Bitcoin



- Blockchain
- Disruptive Technology
- Practicing Law

- Bitcoin is a cryptocurrency payment system.
- Invented by person/s named Satoshi Nakamoto. First published as open source software in 2009.
- Based on a peer-to-peer computer network where transactions take place directly between users without an intermediary.
- First widespread implementation of Blockchain technology.

+ Blockchain

- Blockchain
- Disruptive Technology
- Practicing Law



- A Blockchain is a computerised ledger that incorporates a series of interdependent blocks which can store a consistent history of information.
- This information can be passed and checked by peer-to-peer decentralised computer networks.
- Uses a proof-of-work algorithm to allow the decentralised network to arrive at a consensus about the state of transactions.

+ Smart Contracts

- Blockchain
- Disruptive Technology
- Practicing Law



- A Smart Contract is a computerised transaction protocol that executes the terms of a real contract.
- Allow computations to take place on a blockchain which can interact with and be directly executed by all nodes on a decentralised network.
- Use of smart contracts allows reduced transaction costs with self-executing or self enforcing rules.



Augmented Reality

- Blockchain
- Disruptive Technology
- Practicing Law



- A real-world view where elements of the environment are “augmented” or altered and added to by computer generated information.
- AR enables the enhancement of a current perception of reality by overlaying it with text, sound, video, graphics, GPS or other data which enhances the experience and provides additional layers of meaning.

+ The DAO

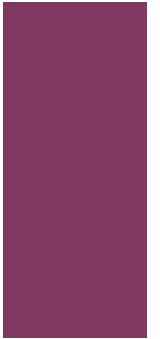
- Blockchain
- Disruptive Technology
- Practicing Law



- Smart contracts allow for the creation of a Decentralized Autonomous Organization (DAO).
- The DAO was established in May 2016 as a set of contracts that reside on the Ethereum blockchain. It was crowd-funded raising US\$50.
- DAO investors owned tokens that gave them rights to vote on potential projects. The DAO was to dispense funds to projects submitted by contractors with the profits from funds invested flowing back to the stakeholders.
- In June 2016 the DAO was hacked and hard forked.

+ The DAMN

- Blockchain
- Disruptive Technology
- Practicing Law



- The **Decentralized Arbitration and Mediation Network** (DAMN)
- Proposed by Andreas Antonopoulos, a prominent Bitcoin evangelist and author and Pamela Morgan an attorney and educator with a practice focus on bitcoin and cryptocurrencies.
- The idea was for a global, borderless (commercial) justice system that parties could opt into.

+ The DAMN

- Blockchain
- Disruptive Technology
- Practicing Law



- DAMN would offer; “layers of choices, about who will decide (with options of one person or algorithm, pools of random jurors, pools of experts, collaboration of the parties, a mediation DAO, etc.), how long the decision-making process will take, and whether the dispute and the resolution will be made public or remain private.
- Was focussed on Arbitration and Mediation as existing cross-border dispute resolution mechanisms with institutional support (New York Convention).



- Blockchain
- Disruptive Technology
- Practicing Law



Decentralized Home Rental Platform

Top-10 ICO in 2018 by **Inc.** & **Forbes**

Token Sale is Live

Token Sale Ends in:

00 : 15 : 38 : 50

days hours min sec

Buy Tokens

25% bonus

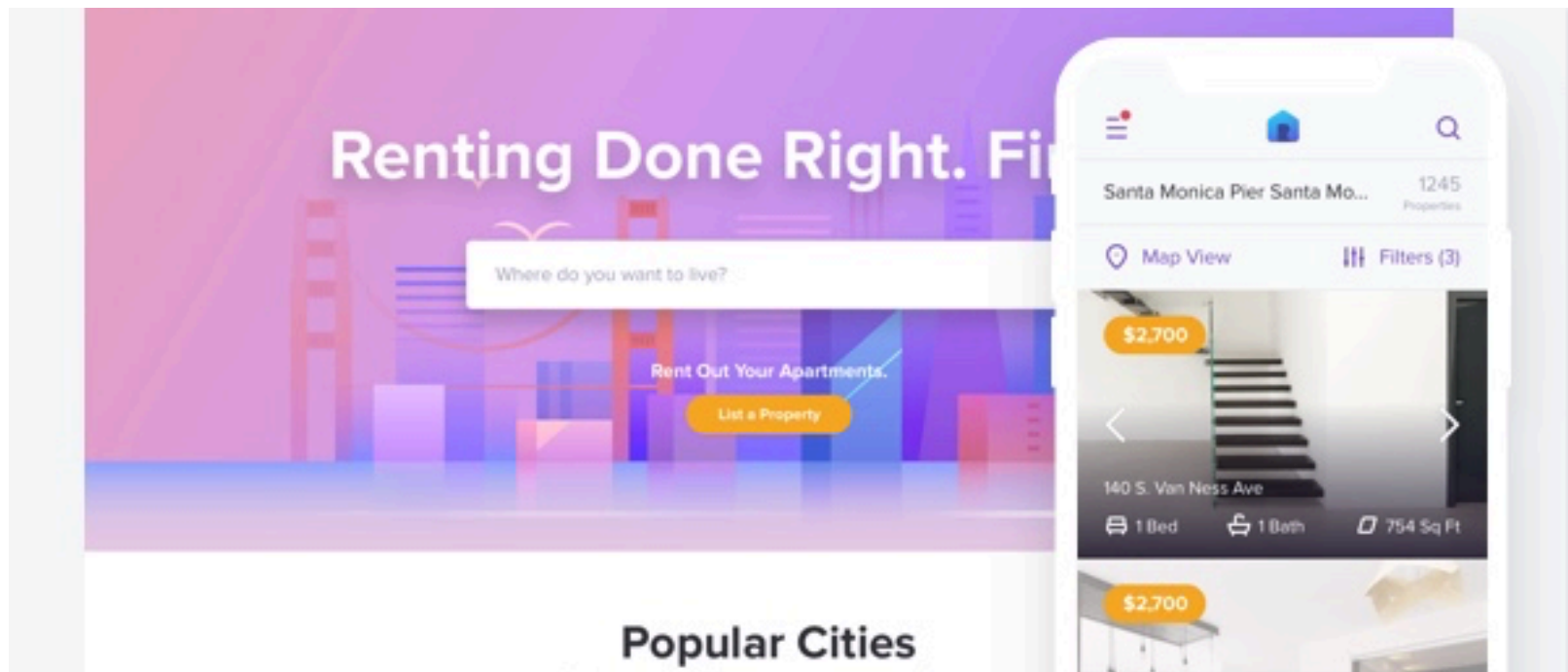


Rentberry

Today, Rentberry offers users a fully operational long-term rental platform. It leverages blockchain technology to ensure seamless rental experience and allows for crowdsourcing to help tenants unfreeze millions of dollars tied up in rental security deposits.

+ There is an APP for that

- Blockchain
- Disruptive Technology
- Practicing Law





- Blockchain
- Disruptive Technology
- Practicing Law



Our Mission

We are convinced that long-term rental space is the next industry to be disrupted by technologies, and our entire team believes that blockchain and smart contracts are the inherent part of the upcoming innovation. Here at Rentberry, our goal is to make both landlords and tenants enjoy a fully decentralized rental experience that includes open and transparent application process, crowdsourced security deposit network, instant rent payments, internationally valid tenant and landlord scores, to name a few.

+ Rentberry

- Blockchain
- Disruptive Technology
- Practicing Law



Proven Track Record

Incorporated in 2015, Rentberry established and proved itself as a successful business within the long-term rental space. Today, it has more than 120k users and processed more than 224k properties.

+ Rentberry

- Blockchain
- Disruptive Technology
- Practicing Law

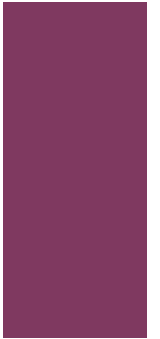


Successfully Raised \$4M

Prior to its token sale, Rentberry successfully raised \$4M in seed funding from high-profile investors and VC funds from 11 countries. It is in the process of finalizing its first token sale.

+ Rentberry

- Blockchain
- Disruptive Technology
- Practicing Law



Crowdsourced Approach

Social initiative to help tenants save millions blocked in rental security deposits by allowing members of the Rentberry community to fund tenant's security deposit and in return receive rewards.

- Blockchain
- Disruptive Technology
- Practicing Law



Enormous Potential

Currently, there are over 2bn people living in long-term rentals and 59% of new households to be formed by 2030 will be renting homes instead of buying them. Rentberry aims to leverage this trend.

+ Renters Worldwide

- Blockchain
- Disruptive
Technology
- Practicing Law



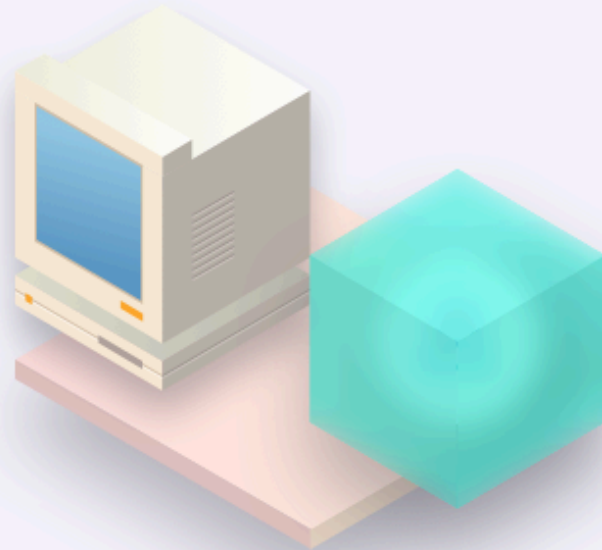
Meanwhile, renting has become an economic and lifestyle choice for 41% of Americans, 55.5% of the Swiss, and 39.9% of Germans, to name just a few countries. Currently, there are over 641 million rental units worldwide and around 2.3 billion people living in long-term rentals. According to the most recent statistics from the UN, there are over 244 million international migrants living worldwide, which creates a large pool of potential users who are likely to benefit from a transparent universal rental platform.

+ Rentberry

- Blockchain
- Disruptive Technology
- Practicing Law

Outdated Rental Platforms

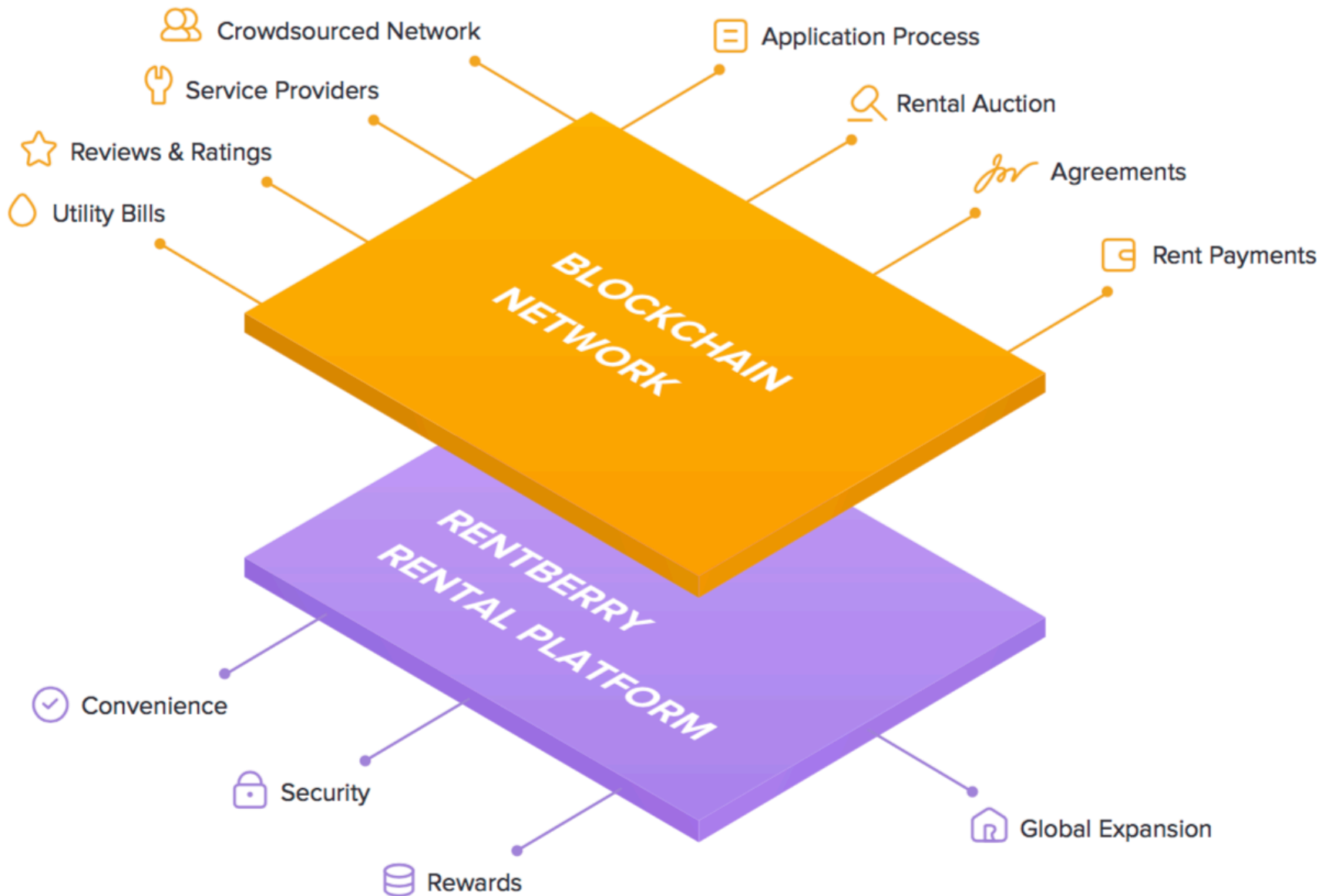
Global practices still include listings in the form of simple online classified ads which provide limited rental experience and essentially no value in terms of application process.



Limited Investment Opportunities

More than \$35trln in the bank accounts around the world generating only on average 0.1%. People have limited access to investment alternatives that often have min thresholds and requirements.





+ Development I

- Blockchain
- Disruptive Technology
- Practicing Law

Technology Advancement

Integrate blockchain and smart contracts technology throughout the platform. Launch iOS and Android apps. File international patents.

+ Development 2

- Blockchain
- Disruptive Technology
- Practicing Law

Crowdsourced Rental Deposits

Allow tenants to reduce the amount of their own money they need to tie up in rental security deposits by paying a small monthly fee in tokens in lieu of paying full upfront security deposits.

+ Development 3

- Blockchain
- Disruptive Technology
- Practicing Law

Tokenization

Launch of a payment system allowing users to make/receive payments for rent and other services on Rentberry platform in BERRY tokens.



- Blockchain
- Disruptive Technology
- Practicing Law



What is the Token purpose?

The purpose of the BERRY token is to make rental experience more efficient. The whole Rentberry platform will be tokenized. Tenants and landlords will be able to perform numerous transactions on the platform much faster, more secure and cheaper than before. For example, tenants will be able to pay for rental applications using BERRY tokens and landlords will be able to use BERRY tokens to promote their properties, etc. The payment in BERRY tokens will be much cheaper than the equivalent payment in fiat (for example, tenants can pay \$9.99 for rental application in fiat or equivalent of \$4.99 in BERRY tokens).

But the main purpose of BERRY token is helping tenants to save millions in rental deposits. Community members (can be anyone) can use tokens to back financially tenants and receive rewards in return (interest rate).

+ Development 4

- Blockchain
- Disruptive Technology
- Practicing Law

Third-Party Providers

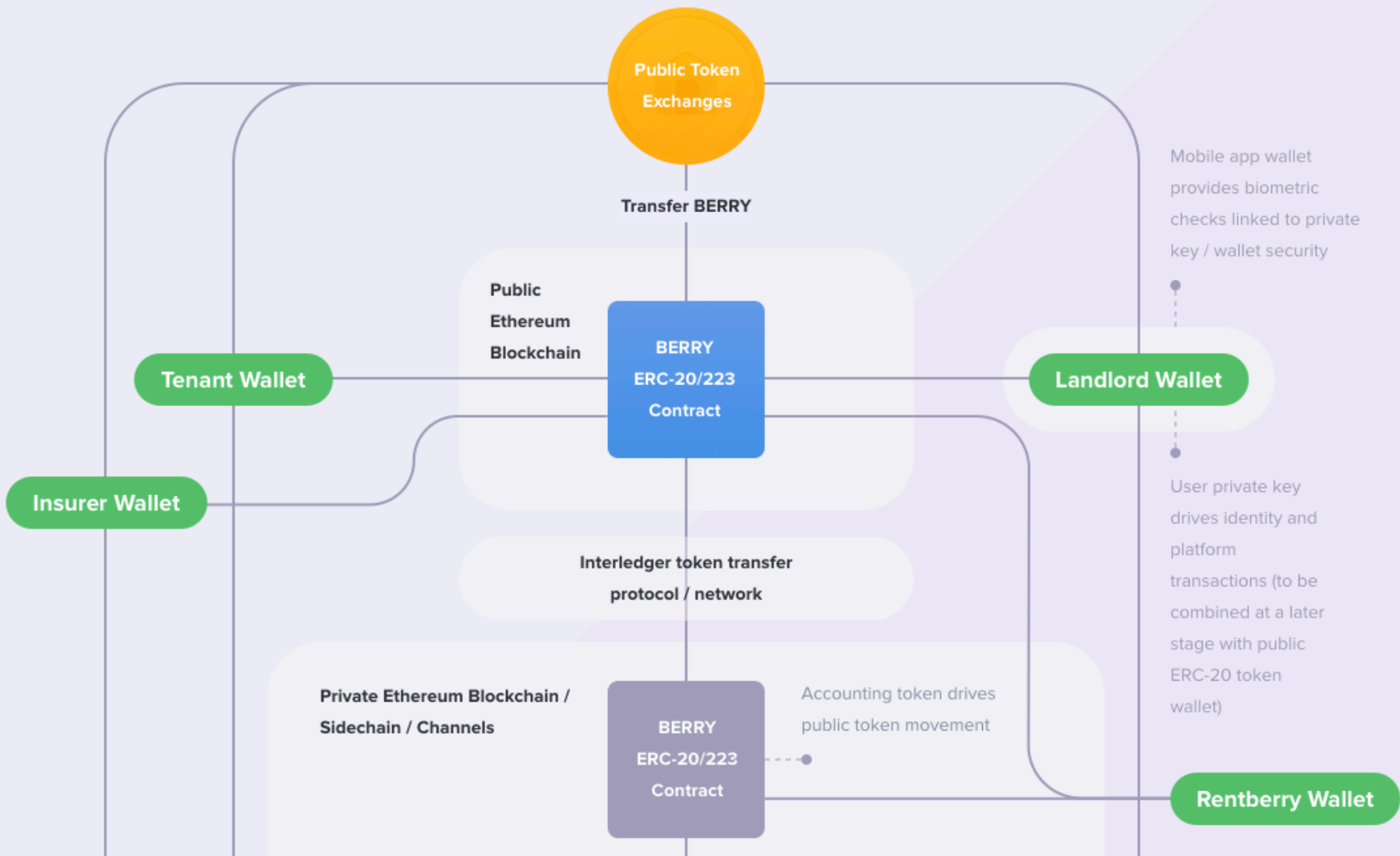
Offer API integration to local third-party service providers. Users will be able to order services directly from their Rentberry portals.

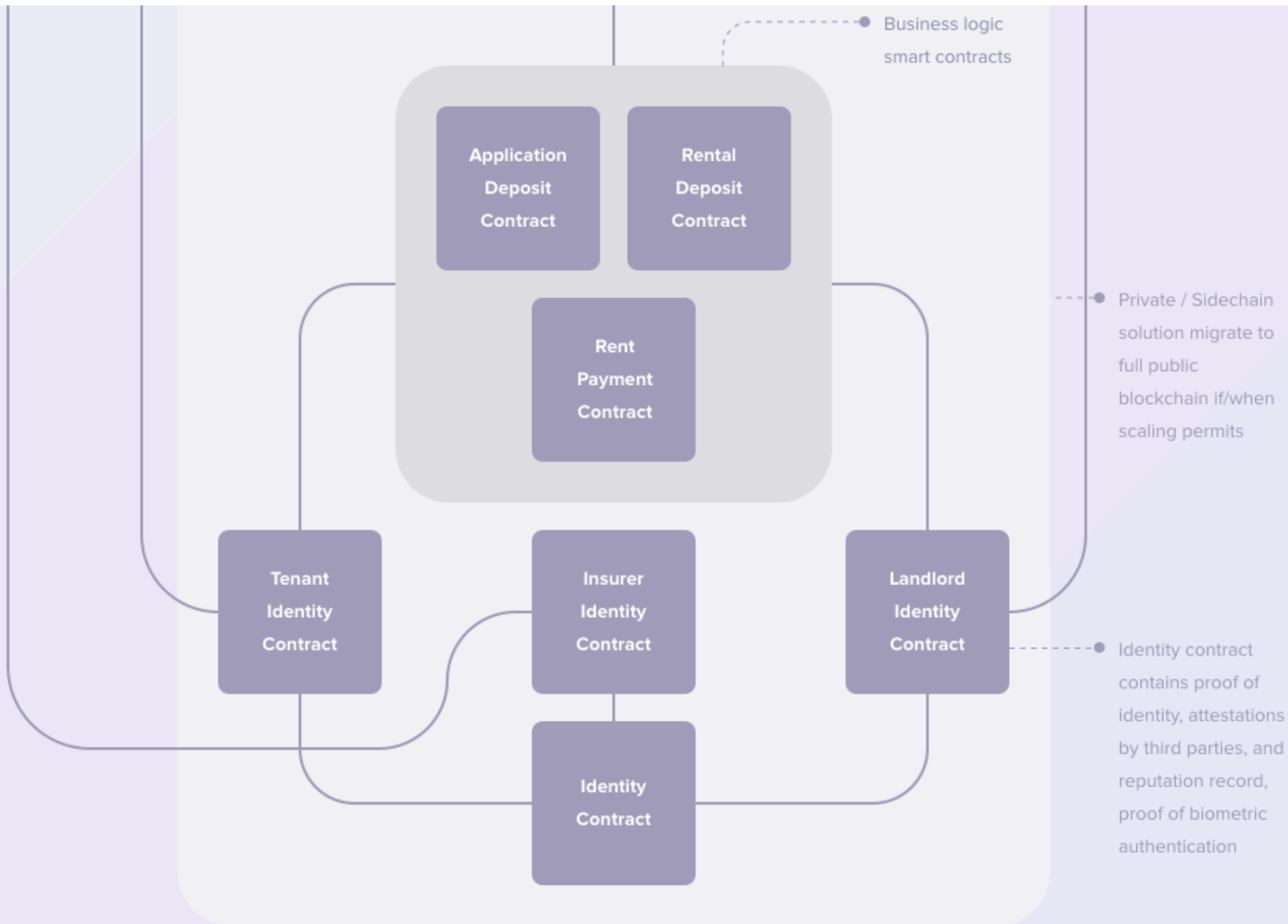
+ Development 5

- Blockchain
- Disruptive Technology
- Practicing Law

Online Utility Bills

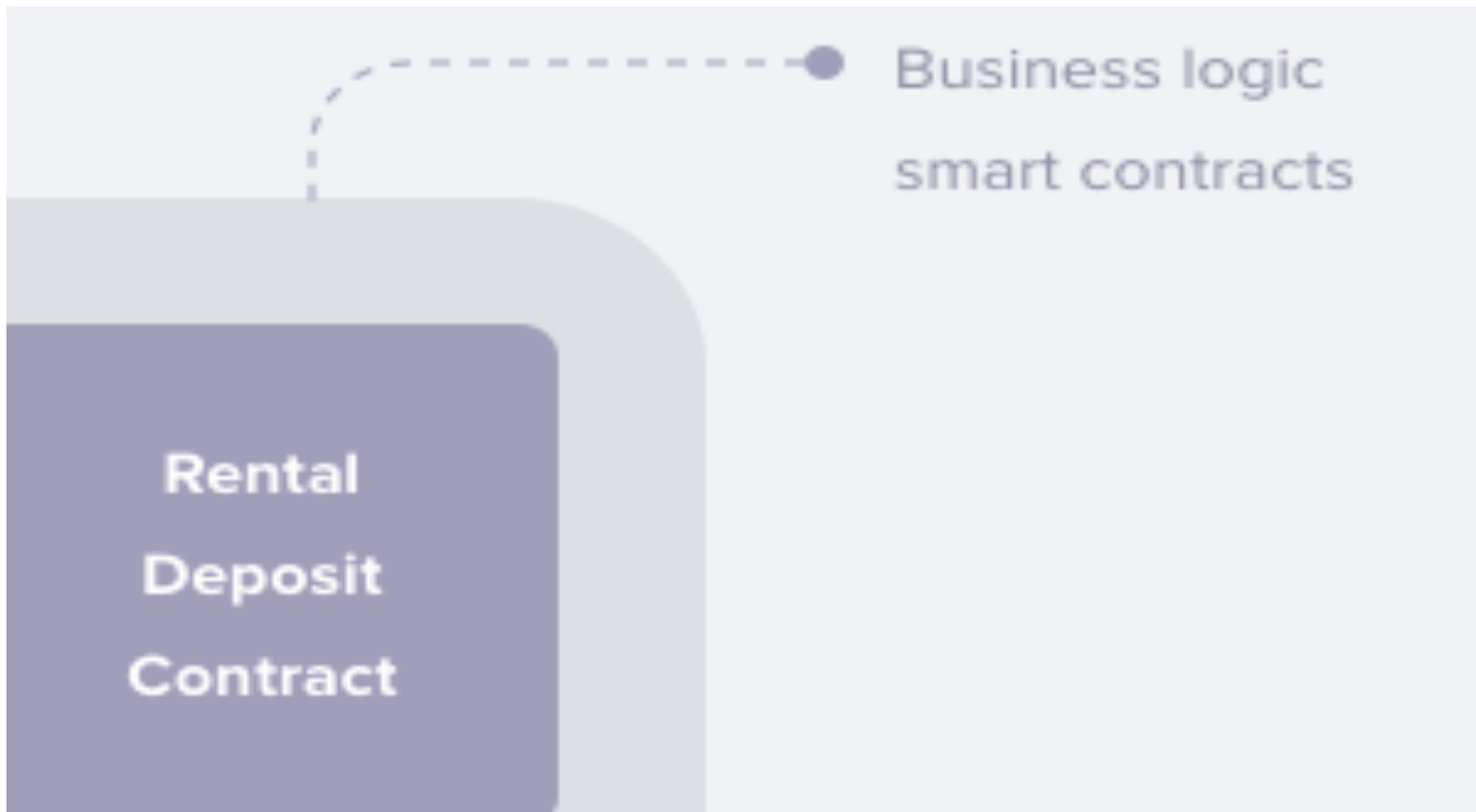
Partner with utility companies to give users ability to pay the bills directly via Rentberry's platform.





+ Is this a Problem?

- Blockchain
- Disruptive Technology
- Practicing Law



+ Is this a Problem for Mediation & Arbitration to solve?

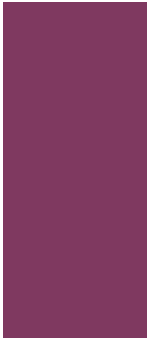
- Blockchain
- Disruptive Technology
- Practicing Law



When the tenant moves out, if there has been a damage claim by the landlord (that is agreed and digitally authorized by the tenant), the Security Deposit Smart Contract will transfer BERRY tokens to the landlord's wallet equal to the value of the damage claim, with the payment being covered first by the tenant's own contribution to the security deposit. Any amounts remaining after the damage claim has been paid will be allocated by the Security Deposit Smart Contract pro rata to those who have contributed to the security deposit.

+ **Step 1. Find a transactional area with outmoded service and systems**

- Blockchain
- Disruptive Technology
- Practicing Law



We founded Rentberry at the end of 2015 after our founders spent almost a month searching for rental properties in San Francisco, California. We experienced the frustration involved with submitting rental applications, enduring bidding wars with other prospective tenants and going through uncomfortable face-to-face negotiations with landlords.

+ **Step 2. Use Blockchain & Smart Contracts**

- Blockchain
- Disruptive
Technology
- Practicing Law

Here at Rentberry, we're convinced that blockchain technology with smart contracts is the core engine for the long-term rental industry. Smart contracts will be written in Ethereum Solidity to drive accounting / ERC-20 token movement.

+ **Step 3. Eliminate the “middle-man”**

- Blockchain
- Disruptive
Technology
- Practicing Law



Rentberry plans to streamline the entire long-term rental process using blockchain and smart contract technology and eliminate the need for a middleman, making it possible for tenants and landlords to complete all rental tasks in one place.

+ Step 4. Tokenise to generate “community” value

- Blockchain
- Disruptive
Technology
- Practicing Law



+ Horticulture Code of Conduct

- Blockchain
- Disruptive Technology
- Practicing Law



- On 1 April 2018, the “new” Horticulture Code of Conduct will come into full force requiring all traders to comply with the dispute resolution provisions.
- Applies to all sales of horticulture produce in Australia
Provide information about the Franchising Code of Conduct and alternatives (but not legal advice)
- The code mandates growers supplying an agent or merchant must have a written contract detailing terms of payment and price calculation.

+ **Dispute Resolution**

- Blockchain
- Disruptive Technology
- Practicing Law



- Growers and traders may use any dispute resolution procedures they choose to resolve horticulture disputes that arise between them, clause 38(1)
- If a grower or trader uses the mediation procedure (cl 40) to resolve a horticulture dispute with another person they must participate in the dispute resolution and mediation procedures managed by the Mediation Adviser.

+ Mediation Adviser

- Blockchain
- Disruptive Technology
- Practicing Law



- Horticulture Code of Conduct establishes the role of the Mediation Adviser, cl 39(1).
- Adviser maintains as panel of mediators and appoints the mediator on request, cl 39(2).
- Adviser also maintains and can appoint a horticulture produce assessor who can investigate and report on any matter arising under agreement

+ Simple 3-step Process

- Blockchain
- Disruptive Technology
- Practicing Law



- **STEP 1.** Send the other side a Notice of Dispute
- **STEP 2.** The other party has three weeks to negotiate a resolution to the dispute
- **STEP 3.** If not resolved, request the Mediation Adviser to appoint a mediator. Mediation is mandatory once requested by a party. Adviser can appoint an Assessor to investigate.

+ The Notice of Dispute

- Blockchain
- Disruptive Technology
- Practicing Law



- Used by Franchisor or Franchisee
- Content of the Notice set out in Code (clause 40)
 - (a) The nature of the dispute
 - (b) What outcome the complainant wants
 - (c) What action the complainant thinks will resolve the dispute

+ The Mediation

- Blockchain
- Disruptive Technology
- Practicing Law



- The Mediator appointed to a dispute decides the time and place for the mediation in Australia.
- The parties must attend the mediation.
- The parties must negotiate in good faith to resolve the dispute.
- The parties are equally liable to pay the costs of the mediation.

+ Using the Code

- Blockchain
- Disruptive Technology
- Practicing Law



How to set up a dispute resolution service which:

- Has to be established quickly because of the perishable nature of the produce.
- Where people can attend remotely from everywhere in Australia
- Which allows sound, text and video to be exchanged and viewed.
- Engages “community input” through standardised quality and transparency of market prices at a point in time.

+ Benefits of the Code process

- Blockchain
- Disruptive Technology
- Practicing Law



- Raise issues early to avoid unnecessary escalation
- Communication between parties leads to options
- Allows for emotional interaction
- Focus on interests rather than legal positions
- Review decision making against alternatives



Purpose of Mediation

- Blockchain
- Disruptive Technology
- Practicing Law



- Non-binding, non-determinative process of creative option generation and resolution
- Mediators legally trained (usually) or experienced commercial managers with franchising experience
- Mediation provides a forum where parties and their lawyers can hold privileged, private discussions

+ **Determinative Processes Available**

- Blockchain
- Disruptive
Technology
- Practicing Law



- Determinative process are available under the Code by agreement between the parties arbitration, expert determination or expert appraisal (non-binding) to resolve a dispute.
- Merchant contracts could be stored on a blockchain and self execute when produce sold.
- Systems can designed to incorporate the particular features of other resolution services to drive down transactions costs, increase throughput.

+ Integration of Technology into Legal Services

- Blockchain
- Disruptive Technology
- Practicing Law



- Phase 1. Adopt standardised documents that can be shared between users (including the courts and tribunals).
- Phase 2. Introduce electronic files / wallets to store and search information.
- Phase 3: High labour cost services replaced by transactions hosted on secure technology platforms

+ Integration of Technology into Legal Services

- Blockchain
- Disruptive Technology
- Practicing Law



- Phase 4. Create flexible “meeting rooms” to nationalise/internationalise experiences replacing most bricks and mortar.
- Phase 5. Allow for various processes, Mediation and Arbitration, to be employed by agreement.
- Phase 6 Tokenize for community value.

+ CONTACT

- Blockchain
- Disruptive
Technology
- Practicing Law



Telephone: 1 800 475 467

Website:
www.horticulturecode.com.au