

Teams per Track

Identity (12)	Reinventing Government (11)	Energy (11)	Future of Pensions (10)	Intern. Trade & ENTR (11)
Digital Persona Wallet	Milvum	UU-team	Helpout	i7 Innovations
Juru	Go-Chain	MathLink	Ortec Finance Labs	Revention
iDin-TT	Seahorse	Minus 162	Keytactics	PHI
Signicat	P2Politics	Energy!	Save the Pig	StreetMusicChain
EpicAuth	Anchormen	TOBLOCKCHAIN	De Groene Stropdas	Otonomos
Bloc-Services	216 Quorra	BEN 1#	EBPI Ram	Zissou
Bridge-ID	Gemeente Groningen	B9 Lab	BEN 2#	Incorporated
Team 2045	Gemeente Zuidhorn	Energy Reimagined	The Blockbusters	Abraxas
Refugee E-identity	Power to the Person	GreenGrid (TBB)	Accenture & Techruption	DC-Cicero
101 chain	It's time for Plan B	Smart Energy	Six Factor	Worksprout - BlockIDM
ISAAC	Cryptarchy	Team Inspiron	-	Project BABE
ICTDijk	-	-	-	-

Track Identity

TEAM: Bloc-services

PROBLEM: Create a refugee identity on blockchain, which contains their ID data, and a sort of rating tool (risk and soft skills, for example). The aim is to help them to settle, relocate, enable family reunion, and provide them with social benefits.

TEAM: EpicAuth

PROBLEM: Traditional authentication has a single point of failure. Make auth epically great again. users boss of their data, using blockchain tech, they choose with which web they share their data, no logins, passwords, etc.

TEAM: Signicat

PROBLEM: We will put a sovereign identity on the blockchain based on different identity login methods. We will also create an un-losable wallet. Where private- and public keys are stored in the blockchain. No need for local storage.

TEAM: Bridge-iD

PROBLEM: brug slaan tussen persoonlijke info uit echte wereld met de blockchain, waarbij gebruiker in controle blijft. oplossing op privacy en autonomie

TEAM: 101 chain

PROBLEM: digital fingerprint, zelf eigenaar van de identiteit, oplossing voor self sovereign id

TEAM: Refugee E-identity

PROBLEM: refugee crisis, facilitate process that refugee go through. "Groningen saving the world", they're all from here

TEAM: ICTDijk

PROBLEM: digital identity, show only the relevant data, more control, decide on what you want to show

TEAM: 2045

PROBLEM:

Self governance of citizenship

We enlighten the administrative burden of the government.

We take the administrative jobs of governments and distribute this to individuals, making it a joint effort between government and citizens. This makes the government a service provider.

It's the same model as a company. Making requirements and checking them, but not being part of operations.

TEAM: Juru

PROBLEM: Tegenwoordig zijn al onze identiteitsdocumenten verspreidt (bankgegevens, telecom, overheid etc.). Wij willen een product ontwikkelen dat deze documenten terug wil samenbrengen. hiervoor werken ze samen met banken omdat zij het beste beeld hebben

van de identificatie van individuen. Ze hebben zowel informatie over je officiële persoonlijke gegevens als reputatie.

TEAM: ISAAC

PROBLEM: Individuen op de wereld geen goede manier om hun online en offline gegevens te beheren en beschermen, niet over de identiteit op zich maar wat soort gegevens je met wie gaat delen. stabiel platform waar mensen zelf hun gegevens kunnen beheren.

TRACK: RG

TEAM: Anchormen

PROBLEM: , people who are in dept to help them with their expenditures.

TRACK: Energy

TEAM: Minus 162

PROBLEM: Fraud and inefficiencies in emission right straight.

TRACK: Energy

TEAM: Energy Reimagined

PROBLEM: problem of tomorrow, create a green coin using unused produced green energy for prosumers, and providing electric car drive with more and cheaper charging plugs. electric car as buffer for energy

TRACK: energy

TEAM: Energy!

PROBLEM: cleaning up with transparency how sustainable your consumption is, and help become more sustainable, track the electron

TRACK: energy

TEAM: BEN #1

PROBLEM: inefficient energy distribution, optimize energy flow, consumer decide who they pay for their electricity, democratic decentralized smart local grid, "we have the duck, that's our mascot", whenever we have a problem we ask the duck, because a duck knows nothing

TRACK: Pensions

TEAM: BEN #2

PROBLEM: building more transparent pension for customer and pension company, the money see where the money goes to.

TRACK: Energy

TEAM: Team Inspiron

PROBLEM: Energy loss with cargo transport; energy inefficiency

TRACK: Energy

TEAM: B9lab

PROBLEM: building a base layer to develop ; open framework/common on which everyone on the market can join to meet each other, green exchange, european, facilitate participation of new producers, help them to be discovered, provide infrastructure/platform, full transparent system, allows small producers, opening the market to people that don't have a big budget, people are invited to building up on that further.

TRACK: Energy

TEAM: MathLink

PROBLEM: help scientists to get their work published, and help access to quality knowledge and science without a third party asking money, random reviewer

TRACK: IT&E

TEAM: Incorporated

PROBLEM: address the lack of difficult access to company information by small business that prevent developing in international trade (very administrative heavy)

TRACK: Energy

TEAM: Smart Energy

PROBLEM: cheaper green energy for consumers. "Smart Energy is working on an application that allows prosumers to forecast their energy flow and lock in the price of the commodity through the creation of smart contracts"

TRACK: Energy

TEAM: TOBLOCKCHAIN

PROBLEM: Product = "Power to share"; don't care or don't trust the green energy certification, we want to increase trust in green energy (1), make Green energy as a new fashion (2) with power to share, prosumers will be able to share green energy by using whatsapp

TRACK: Pensions

TEAM: Ortec Finance TechLabs

PROBLEM: bouwen blockchain, transparantie voor het individu, dmv advies tool, pensioendeelnemer zo goed mogelijk helpen, maatwerk pensioen, op behoeftes afstemmen van de klant, zelfsturen van pensioen, individu controle over investeringsbehoeftes; probleem = pensioendeelnemer en werkelijke uitwerking

TRACK: Pensions

TEAM: RAM

PROBLEM: "Pillar 5"; looking for a way to solve the trust to spend money to a pension; how can we rebuild the trust on pension; what's really paid, user decides low-medium-high risk; voting or not? see what's really spend

TRACK: Energy

TEAM: GreenGrid

PROBLEM: get off earthquakes, get off natural gas, not really sustainable get trust back from the people in society, policy, in the NL lock in in the system of gas, Groningen extremely exploited by it; trust, earthquakes, sustainability,

TRACK: Pensions

TEAM: Keytactics

PROBLEM: pensioenen in flexibele arbeidsmarkt, persoonlijk pensioen waarvoor je verantwoordelijk bent voor je pensioen.

TRACK: RG

TEAM: Power to the Person

PROBLEM: reinvent the voting system, delegate the vote to someone that knows more about the problem, you can also take it back, if he doesn't follow to the word, you can allocate it somewhere else, should lead to transparency, trust, don't over promising, more account, liquid democracy = solution

TRACK: Pensions

TEAM: Blockbusters

PROBLEM: We want to create better interaction with the users/clients, and we create a easier transition from one employer to the other, more flexibility

TRACK: IT&E

TEAM: Abraxas

PROBLEM: give people the opportunity to lease/share their stuff, peer to peer sharing, sharing company and personal assets, should reduce waste.

TRACK: Future of pensions

TEAM: Accenture + Techruption

PROBLEM: Create a smart open marketplace where pension consumers and providers find each other in supply and demand. Breaking open the market by connecting different type of consumer groups, offering flexibility. Making it easier for small pension fund providers to offer their services.

Shout out to other hackathon teams: If you are a pension fund service provider, or a different type of solution that could benefit of our platform, please connect!

TRACK: Future of pensions

TEAM: Help Out

PROBLEM:

We build a platform where people can invest in their future by helping those who are in need today. We believe that not all needs of people can be provided or solved financially, or with a monetary value. Our value is measured by help and good deeds, instead of money. We turn that into a value system distributed in an open, contribution based system.

TRACK: Future of pensions

TEAM: Ben team 2

PROBLEM: Pensions are unsustainable because a large part of the workforce is becoming independent, not covered in the funds. There is decreasing ratio of working/ retiring people - negative profit of pension funds in general.

Solution:

make every individual have an auditable account that allows them to mathematically proof payments into the system. Income goes into the system. We give every person a chain, as money goes into assets (tokens on the chain), people can invest their savings in tokens with which they chose the projects they invest in with the tokens. Giving users a transparent overview of where their money is, how and where it is invested. We build it on Factom.

TRACK: International Trade & Entrepreneurship

TEAM: Streets Music Chain

PROBLEM:

The music industry is rigged. It is hard to become known and make a living for an artist. You need connections, recordlabels, etc. There is a lack of transparency on payments in the

industry. We want to change that. We build an open platform that works as a marketing tool and income generating system.

On the user/ listener side the problem is that it's hard to find new music and artists.

Algorithms and selections by agencies influence what we listen to. On the platform we connect fans with artists.

Discover. Connect. Reward.

Artist gets more room to do what he needs to do make music.

Take out the middle man

How: micropayments form a reputation-rating system

The more paid likes an artists gets, the higher the reputation.

The user community decided who is a good artist

Fair playground for the artist.

Why blockchain for the transparant global system to connect payment with reputation.

TRACK: International Trade & Entrepreneurship

TEAM: I7

PROBLEM:

There are many retailers who have their own reward, loyalty and gifting systems. Currently this is set up in such a manner that they are only made available for a specific retailer.

We will make one shared reward and gift wallet that can be charged and redeem over the total value chain, no matter which retailer or which country.

TRACK: International Trade & Entrepreneurship

TEAM: PHI

PROBLEM:

Supplychain / transporation / logistics

We give power to the consumer in order to make deliveries as green as the consumer wants it to be. Offering an open marketplace to whom it's being delivered to give answer to the consumer. Consumer has the liberty to decide

Create a transportation and logistics platform that facilitates the coming together of buyers and sellers of goods and services, a place where a need can be serviced in many different ways

TRACK: International Trade & Entrepreneurship

TEAM: DC Cicero

PROBLEM:

Simplifying administration work from international trade, making life easier for supplier, buyer, custom officials by tracking the products, its ownership, the papers, etc.

don't use:

Inefficiency in international trade

When cargo ships are loaded with freight from their departure destination, this cargo is sometimes being traded to another buyer. This buyer needs transport documents checks are insightful, they see by the code where it's from, who owns the cargo, etc.

go to another destination before arriving at the initial port of destination. The cargo's final destination can change en-route. Causing inefficient transportation hubs on large scale shipping.

By using the blockchain we can give the producer/ manufacturer

International ordering of products. Transportation. Lots of paperwork. I should trust producer that he puts on boat what I ordered. Track 'n trace element of origin product and route. When products is en-route, the buyer can already sell product when paperwork is finished, even if the good is still on transport.

Real time changes

TRACK: International Trade & Entrepreneurship

TEAM: Zissou (rode mutsen)

PROBLEM:

We are solving the trust issue between freelancers and clients. We make it easier for them to work together especially around the new DBA law regulations. We make it easier to establish and fulfill contracts between clients and freelancers. The end goal is that client and freelancer can work together without worrying about the rules. Via KvK user gets a portal, application with which you can set up contracts.

TRACK: International Trade & Entrepreneurship

TEAM: Otonomos (girl, table next to red hats)

PROBLEM:

We use smart contracts to automate and digitise notarial functions. Enabling entrepreneurs to do business and that decrease turnover time for notaries on administrative burden.

Making companies completely digital, eradicating all the analog friction points that touches upon funding, forming and governing a company. Problem is that now we work with common law jurisdictions, entering the European market we need notaries. This makes it hard and expensive. We build a way to do this digitally. Digital ecosystem to enable corporate deeds of reviewing and approving.

TRACK: International Trade & Entrepreneurship

TEAM: Supplychain Finance (teacher)

PROBLEM:

we solve two problems: a supply chain finance as driving force of supply chain visibility, which in turn is the basic backbone of food safety.

Supply chain finance:

Commitment to sell of X amount of X products in X amount of time.

Then a supplychain finance house can give commitment to take ownership of the full goods flow from raw material to consumption.

Disconnect the ownership of the goods flow from value added processes of the supply chain.

Enable real time payments

Enhancing credit rating because I am full owner of product.

Making financing much more efficient, diminishing risk throughout the chain for every hub in the chain.

Transparency.

Food safety:

We use blockchain to check food safety, traceability, certification (organic or not), ingredients.

You can't cheat the system.

TRACK: Reinventing governments

TEAM: Gemeente Groningen

PROBLEM:

TRACK: Reinventing governments

TEAM: Gemeente Groningen

PROBLEM:

The city of Groningen participates in the DBH with the use case of the Groningen Krediet Bank. We want to improve the service for citizens by using blockchain technology for the so called 'budget beheer'. We think the city should and could provide better, quicker, more transparent services. Helping people in difficult situations by assisting and helping and strengthening their household finances. Preventing them to get in serious difficulties financially, situations that are hard to get out of and make citizens unhappy. Of course, this will also prevent fraud. Products that we work with and/ or are testing: a community wallet that incorporates energy companies, tax authorities, etc. to exchange finance information. To make this possible we want to create responsible corporations that protect the privacy of citizens, yet gain knowledge of action points for people or institutions to prevent difficulties together.

TRACK: International Trade & Entrepreneurship

TEAM: Revention (Rabo)

PROBLEM:

By moving the transaction moment to the exchange of the product we create trust, equal dependency (of buyer and seller) and a completely honest selling process. Trusted exchange. Quality sign.

The "if this than that" for contracts.

In this process we enable you to easily create contracts via web and mobile. It is independent of sector, country and/or products.

Case: If you want to buy a unique watch on Marktplaats for 5000 euro's.

You want to send it for 50 euro's. Those are the conditions. Buyer agrees, but wants to make sure seller delivers what was promised. Not a fake, not an empty box.

With XXX the monetary transaction does not take place before the good has been received and accepted by the buyer.

We make sure that you can trust upon a supplier that he delivers according to the agreements

TRACK: Energy

TEAM: UU-Team

PROBLEM: probleem met certificaties, bedrijven kunnen niet echt laten tonen dat ze groen bezig, identificatie via blockchain; heel divers; een paar programers, business experts, designers, onderzoeker, veel aspecten in acht nemen.

TRACK: International Trade & Entrepreneurship

TEAM: Worksprout (sanoma)

PROBLEM:

privacy

candidates and companies find each other based on skills

have to give a lot of personal (sensitive) information about yourself

we see two shifts

- privacy paradigm will shift to a more privacy awareness life on all individual levels
- privacy regulation will be sharpened (GDPR) which means that companies will need to change how they deal with personal information

WorkSprout will help candidates and companies to match the actual qualities of the candidate and company.

To do this we need to be able to exchange information.

By using the blockchain we give temporary access to companies to review or consider the candidate. If there is no match, the available information will be revoked.

- als we allemaal op de blockchain willen, dan heeft dat veel energie nodig.
blockchain = encrypt= rekenkracht = energie. kan geen computer aan.

TRACK: Government

TEAM: Go-Chain

PROBLEM:

Collaborative decision making in spending government budgets via direct voting.

This means that citizens can make project proposals, creating a peer-to-peer democracy in a way it could be a self-governance. Cities can submit a project that they want to develop.

Then list of submitted projects that eligible citizens can allocate funds to. We empower citizen to give them access to develop what matters to them.

Register with DigiD. These are the projects. Allocate X% to projects. It's a bit like crowdfunding. Money will be locked to fund it, when amount is reached it's funded.

We take out the government's role as middle-man decisionmaker.

TRACK: Reinventing Government

TEAM: P2Politics

PROBLEM:

Initial idea was on a political party model. Yet we pivoted to a peer to Polder Model.

The problem we will solve is the huge gap between citizen preferences and the actual implemented policies. Mainly because of the long hierarchical relationship between providing your political preferences and the actual policy-making process. Instead of voting once every four years and a non-transparent system in policy making, you can now vote, comment and indirectly amend policies as they are being drawn up.

Policymakers proposing certain policy they also have to define their follow up actions. If a policymaker proposes something and clearly state the follow actions, and the fact that it's on the blockchain, you can hold the policy maker accountable for his/her actions.

There are scrum-like components to the system. Validating ideas through citizens.

Key benefit putting it on blockchain: having the ability to hold the policy maker responsible for his actions.

How:

By creating a blockchain-based system that allows citizens to vote and give feedback on proposals made by policy makers in different stages of the decision making process.

All the benefits of a direct democracy, but still the checks and balances of statelevel.

It fits the current jurisdictional system

TRACK: Reinventing Government

TEAM: Seahorse

PROBLEM:

A one-stop-shop for storing data settings.

In 2018 the GDPR will go into effect vastly improving the data privacy settings of citizens in the EU. Seahorse starts with storing the 'right to be forgotten' settings.

We create a tool to easily manage citizen's data settings in one place for the entire EU.

This will enable governments to enforce this more efficiently and it will be more efficient for data controllers to comply with these new regulations. As of yet, there are no tools to manage such personal data settings. This is the first step in creating such a layer of trust for citizens.

We do this for three users citizens, data controllers and governments.

TRACK: Reinventing Government

TEAM: Quorra

PROBLEM:

Need to finish!

We have a solution for the VAT carousel fraud - estimated at 70 billion annually- by realizing a for entrepreneurs closed payment system.

This system reduces administrative and cost burden by creating one checklist for VAT tax return and IPC lists (Intra community supply).

We see that only end-consumers or international trade effectively pay VAT. The other, often business related, transactions are put in motion to balance out settlements. This is unnecessary and open to fraud.

TRACK: Reinventing Government

TEAM: ForUs

PROBLEM:

We create a platform that citizens or organisations can log into where they see what subsidies, donations, or other funds they may be eligible for.

Based on the data being fetched from several validators (doctor, bank, tax authorities, etc.) the platform makes matches between the individual, company, or institution with available funds based on the blockchain system.

We work with 4 parties: requesting party, sponsor (supplier), validator (3rd party that checks), provider.

It's a non-monetary system. Money is only used for a bookkeeping tool, not for exchange of value. It's a modular system.

Use case:

Person 1 want a wheelchair

Wants to check grants/sponsors for this

Requirements for match grant is checked (medical checks from doctor)

Criteria is met

Grant is verified

Provider is linked

Provider provides right wheelchair

Provider receives money from grant giver/ sponsor

We bring all help resources together.

TRACK: Reinventing Government

TEAM: Cryptarchy

PROBLEM:

We try to make the payment of childcare costs simpler, clearer and more insightful. We do this by speeding up the payment flow from a monthly system to a payment on the spot system via the blockchain technology.

Currently the government acts as a middleman between parents and daycare providers. In this role, the government also protects privacy of the parents. However, this extra link in the chain also causes delays in the financial flow and administrative challenges.

We will work with a smart contract and we will give parents ownership of their data they want to share with the government

TRACK: Reinventing Government

TEAM: It's time for plan B

PROBLEM:

We provide security tools to centralised blockchains with timestamping (publishing an action on a certain moment of time) on the bitcoin blockchain. With timestamping you can proof existence.

Decentralised blockchains are very secure, but slow.

Centralised blockchains are fast, but sensitive to manipulation.

We combine the strength of a secure decentralised blockchain (Bitcoin) with the advantage of a fast centralised blockchain. This combination creates a fast, decentralised, trusted blockchain.

With MTGA (Make timestamping great again!) you can use the benefits of Bitcoin's hashingpower to anchor trust in your own system. We use a technical solution to make timestamping highly scalable: it can publish millions of hashes per second. with our system.

Use case:

Basically, every track can use our solution if you need trust in your system.

For example: make government less bureaucratic, or prevent fraud and manipulation. Make processes more efficient.

TRACK: Reinventing Government

TEAM: Milvum

PROBLEM:

In the current system you vote for a party or politician.

We will change the current voting system by voting online. It works like this:

- Login with your identity from the blockchain (we work with a team of the identity track to do this)
- You receive a check when you are eligible to vote
- Your vote will be made anonymous through blind signing your ballot pass
- Cast a vote on your preferred party
- When voting, you get to see a unique image that is connected to a hash. This is shown to the voter for 10 seconds that he/she needs to remember in order to verify his or her vote after the election. Every person is connected to a randomly selected visual, only the voter knows.

Normally, it is now possible to watch live results. It's like the program XFactor! But we don't want that. To avoid strategically voting, and to avoid last-minute voting we introduce a smokescreen (check) with which we mix in fake votes, so nobody knows the actual progress of the election. Once the voting timeslot is over, we filter out the fake votes.

How does this filtering out of votes work?

- During the voting time, we keep track of validated votes on the blockchain in a list
- This list we encrypt with the shared public key of the consotria of 388 Dutch municipalities
- Their private keys combined results in the decryption of the list, filtering out the fake votes

Just like blockchain, we only need 51% of the private keys to decrypt the valid voters.

For the future, it's our vision that citizens don't vote for a party or politicians, like in the current system. We want citizens to vote on subjects close to their heart, and provide them with the ability to decide who (which institution or person) gets the responsibility over this topic.

TRACK: Future of Pensions

TEAM: De Groene Stropdas

PROBLEM:

We solve two of the current problems that consumers have with pensionfunds: transparency and self control (power to the people).

Employers will not only pay out the monthly payment directly to their employees, but also transfer the personal pension premium into a pensionwallet, that is issued by gov and owned by the employee.

A set minimum amount is automatically transferred from the pensionwallet to the base solidarity layer. This is the amount of 210 euro's per person, and is not relying on salary. Reason for this is to protect people with lower than 210 euro monthly pension premium for high risk investments.

If there are remaining funds, the employee can decide how to invest these euro's into a fund of their choice, on the platform. Or opt to invest everything in the default base solidarity layer.

?We cut out the partnered pension fund.

Once that pensionfund comes into

TRACK: Identity

TEAM: Digital Persona Wallet

PROBLEM: they want to address 2 problems: 1) new GDPR EU regulation, 2) Unlock potential of your data (money worth). make person self sovereign on their data + getting value out of their data, through blockchain technology. Therefore, they aim to develop an algorithm that will develop matches between candidates (by analysing their track record) in order to make the most successful team.

TRACK: Identity

TEAM:iDin-TT

PROBLEM: Know your customer. Product: Blockchain ID provider. Big problem with blockchain = legal framework.