

Trust App

Marco Guidi



<https://github.com/marcoquidi/TrusT-App>

... A dApp for Smart Insurances management

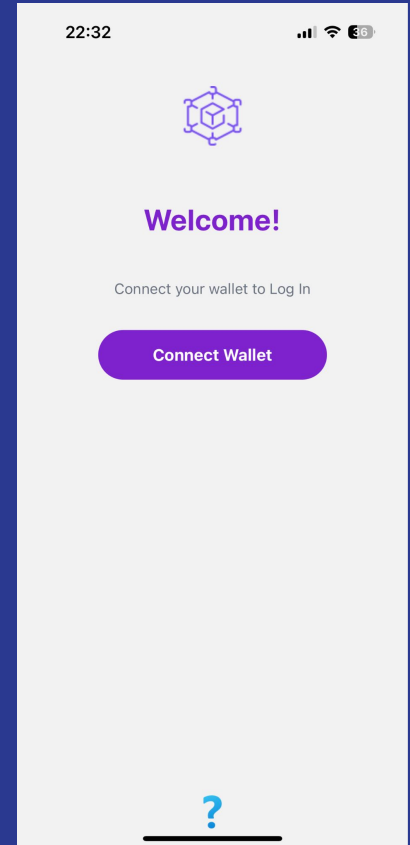
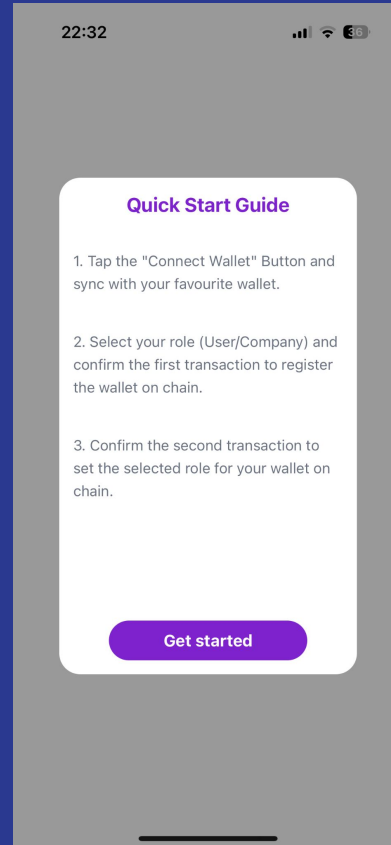
View, create and manage smart insurance, an automated insurance concept, all on the Ethereum (Sepolia) blockchain.



ethereum

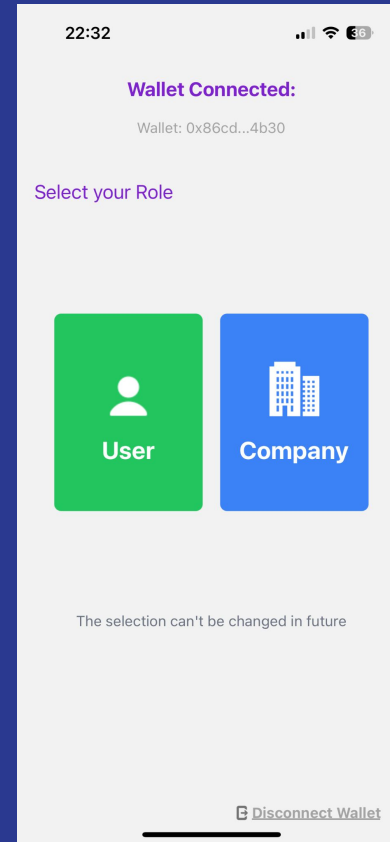


Onboarding ...



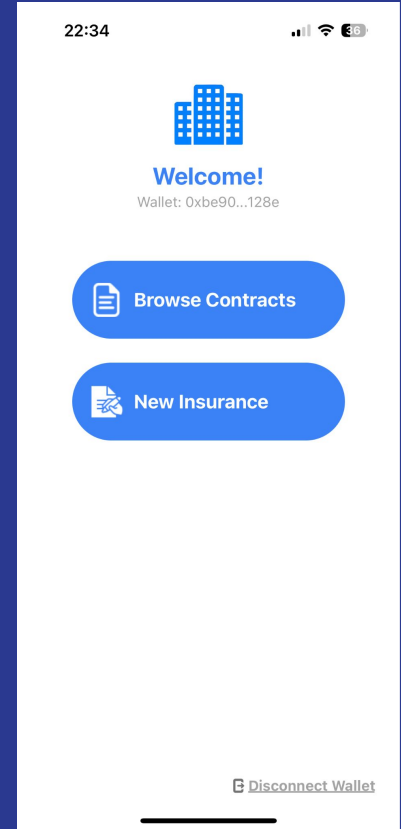
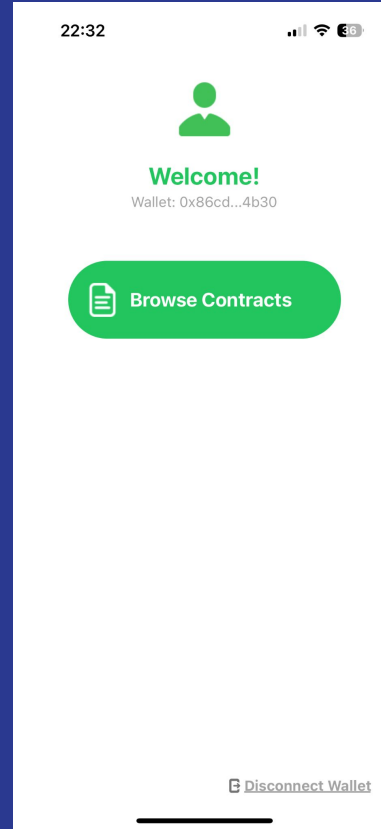
... Select manually your role ...

You must select if you are a User (e.g. the insured of the policies) or a Company (e.g. the insurer of the policies)



Different features based on role

A Company can deploy an Insurance, a User can check data and request payout



Let's deploy an insurance

insured address, premium and payout amount, select the sensor, activation value and delimit the geographical area

22:34

Create New Insurance

INSURED WALLET ADDRESS

0x...

PREMIUM AMOUNT (IN TOKEN UNITS)

E.g. 10.5

PAYOUT AMOUNT (IN TOKEN UNITS)

E.g. 100

Geographic Query Details

SENSOR TYPE

Ambient Humidity (s4agri)
Temperature (safef)

TARGET VALUE (>=)

25

22:34

Create New Insurance

Temperature (safef)

TARGET VALUE (>=)

25

LATITUDE

e.g., 44.4948

LONGITUDE

e.g., 11.3426

RADIUS (meters)

e.g., 500

TOKEN ADDRESS (ERC-20)

0xc9274F47FF98Fe987E233CD34aF50F962c2C6

Create Smart Insurance

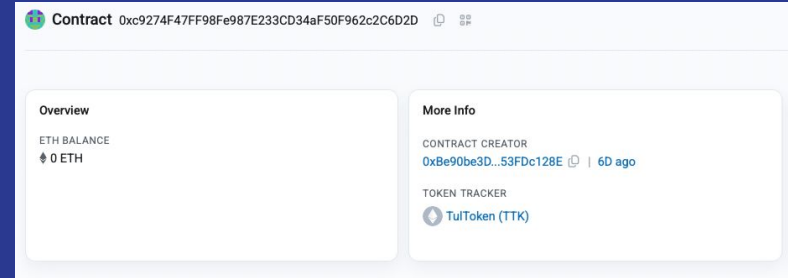
[Go to Dashboard](#)

TulToken

an ERC20 Standard token, used for
premium and payout payments

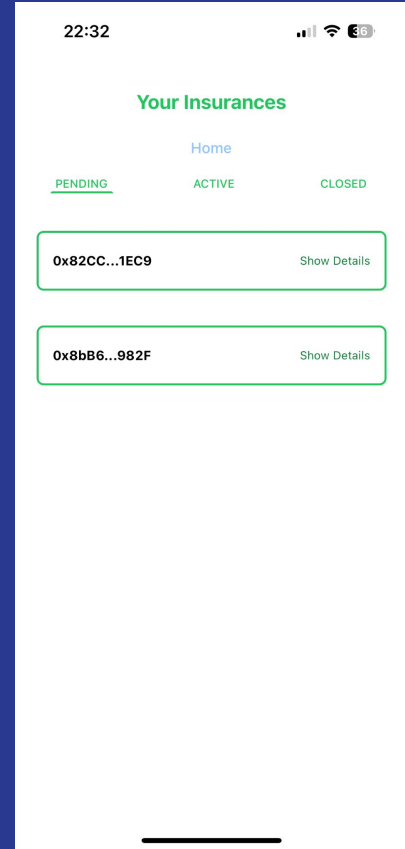
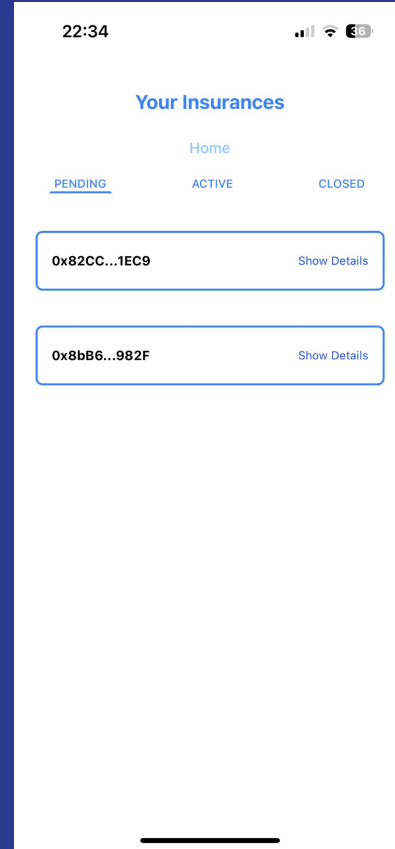
<https://sepolia.etherscan.io/address/0xc9274F47FF98Fe987E233CD34aF50F962c2C6D2D>

ERC20



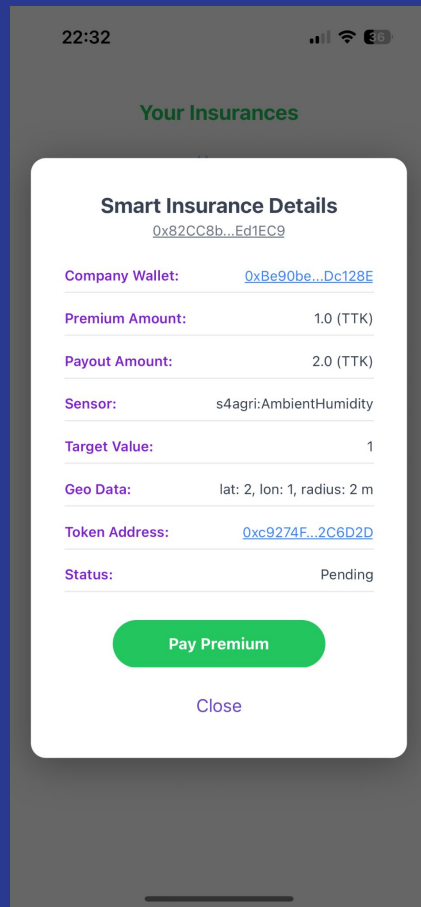
Navigate through Smart Insurances

Pending (waiting for premium payment), Active and Closed (claimed/cancelled)



See details and manage

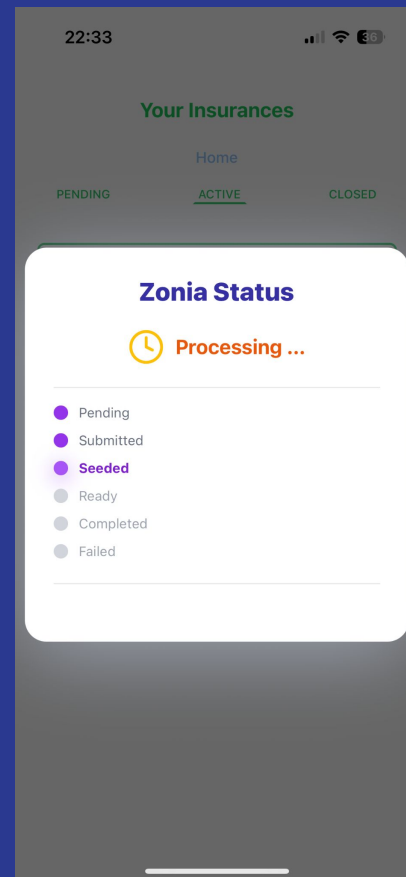
Pay premiums, see states and cancel policies



Real data control

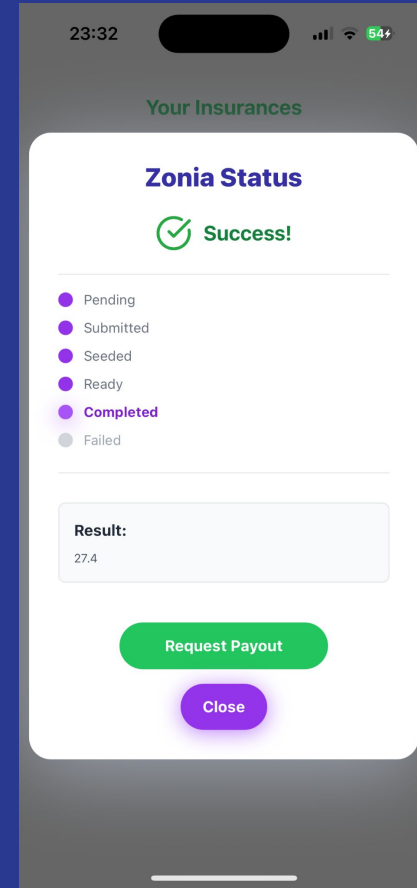
Through the Zonia Oracle System, we can monitor our insurance data in real time, in a reliable and decentralized manner.

<https://arxiv.org/abs/2410.10532>



Request the payout independently

when the policy clause is
satisfied



*target value was 25