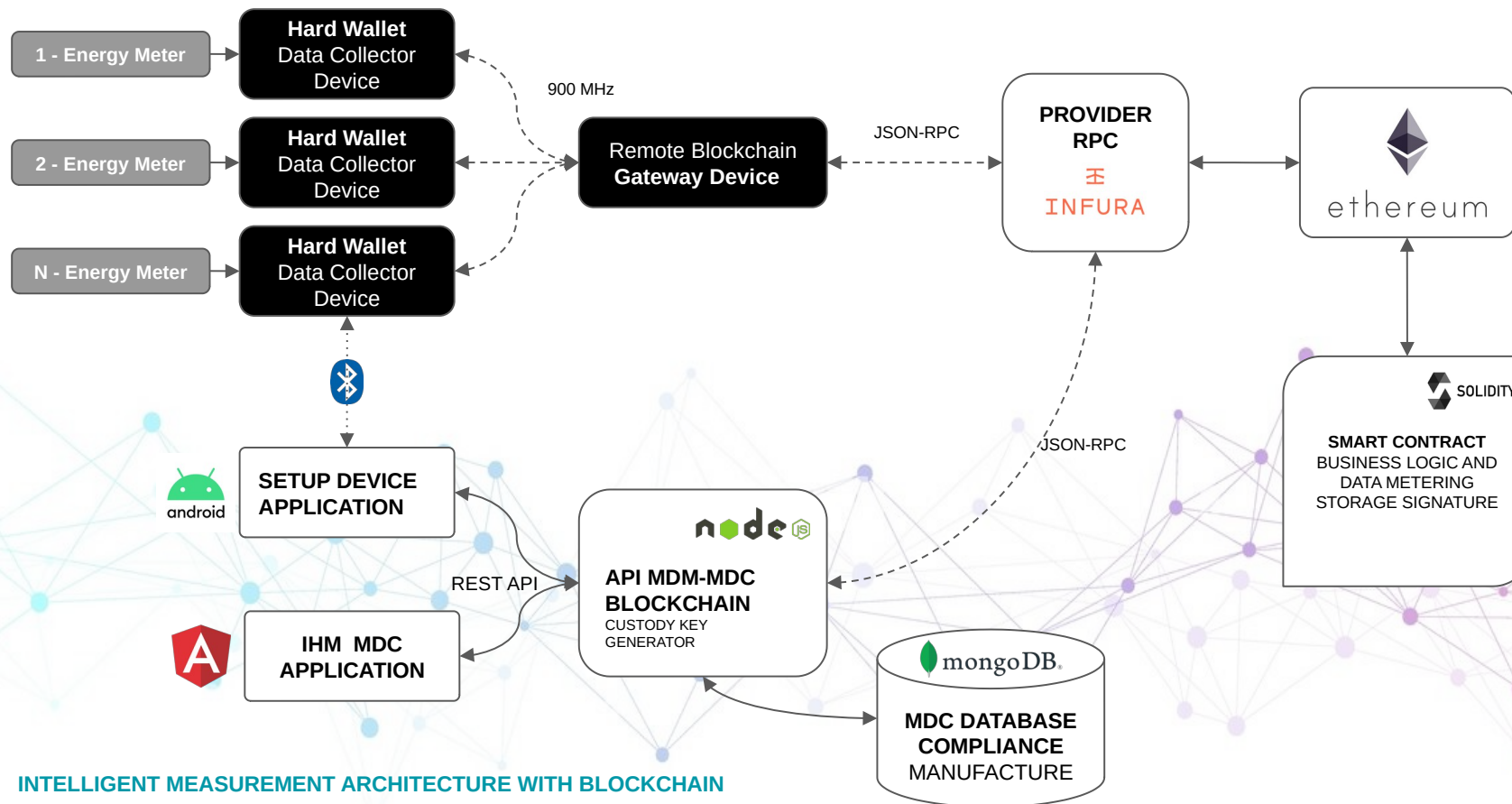


IEEE BCTE Demonstration Project

Blockchain-based Energy Measurement Data Collection



Blockchain-based Energy Measurement Data Collection



PUBLIC INTERACTION

ABI

```
{
  "anonymous": false,
  "inputs": [
    {
      "indexed": true,
      "internalType": "uint256",
      "name": "deviceId",
      "type": "uint256"
    }
  ],
  "name": "deviceEvent",
  "type": "event"
},
{
  "inputs": [
    {
      "internalType": "address",
      "name": "device",
      "type": "address"
    },
    {
      "internalType": "string",
      "name": "serialnumber",
      "type": "string"
    },
    {
      "internalType": "uint256",
      "name": "typedevice",
      "type": "uint256"
    }
  ],
  "name": "addOrUpdateDevice",
  "outputs": [
    {
      "internalType": "uint256",
      "name": "id",
      "type": "uint256"
    }
  ],
  "stateMutability": "nonpayable",
  "type": "function"
}
```

oneclickdapp.com/frank-regular

MDC-IOT-IEEE

(no network) Created 22 outubro 2022

Contract 0xb7C138B2559C1E3019dA094eB5d19cbAE9caB5aC

ABI addOrUpdateDevice, deviceId, devices, getMeterData, getMeterEventData, getMeterMeteringData, setMete...

[Read](#) [Write](#)

setMeteringData (address,uint256,string,uint256)

DEVICE
i.e. 0x261b45d85ccfeabb1f1022eba346ee8d1cd488c0

TYPEMETER
i.e. 255

VALUEDATA
i.e. example text

TIMESTAMP
i.e. 255

[SUBMIT](#)

addOrUpdateDevice (address,string,uint256)
getMeterData (address)
getMeterEventData (address,uint256)
getMeterMeteringData (address,uint256)
setMeterEvent (address,uint256,uint256)
setMeteringData (address,uint256,string,uint256)
setMeterInterval (address,uint256,uint256)
setPowerdown (address,uint256)
setPowerup (address,string,uint256)

Blockchain-based Energy Measurement Data Collection



PUBLIC INTERACTION

<https://goerli.etherscan.io/tx/0xd7909a500b12f8b89703948babaadd13a1e74cbd835543c155ee9d81ad83c559>

The screenshot shows the Etherscan interface for a transaction on the Goerli Testnet. The transaction hash is 0xd7909a500b12f8b89703948babaadd13a1e74cbd835543c155ee9d81ad83c559. The status is 'Success' with 7044 block confirmations. The transaction was created on October 22, 2022, at 10:08:48 PM UTC. The 'From' field shows the sender's address, and the 'To' field shows the recipient's address, which is a contract. The value of the transaction is 0 Ether (\$0.00).

Etherscan
Goerli Testnet Network

All Filters Search by Address / Txn Hash / Block / Token / Ens

Home Blockchain Tokens Misc Goerli

Transaction Details

Overview State

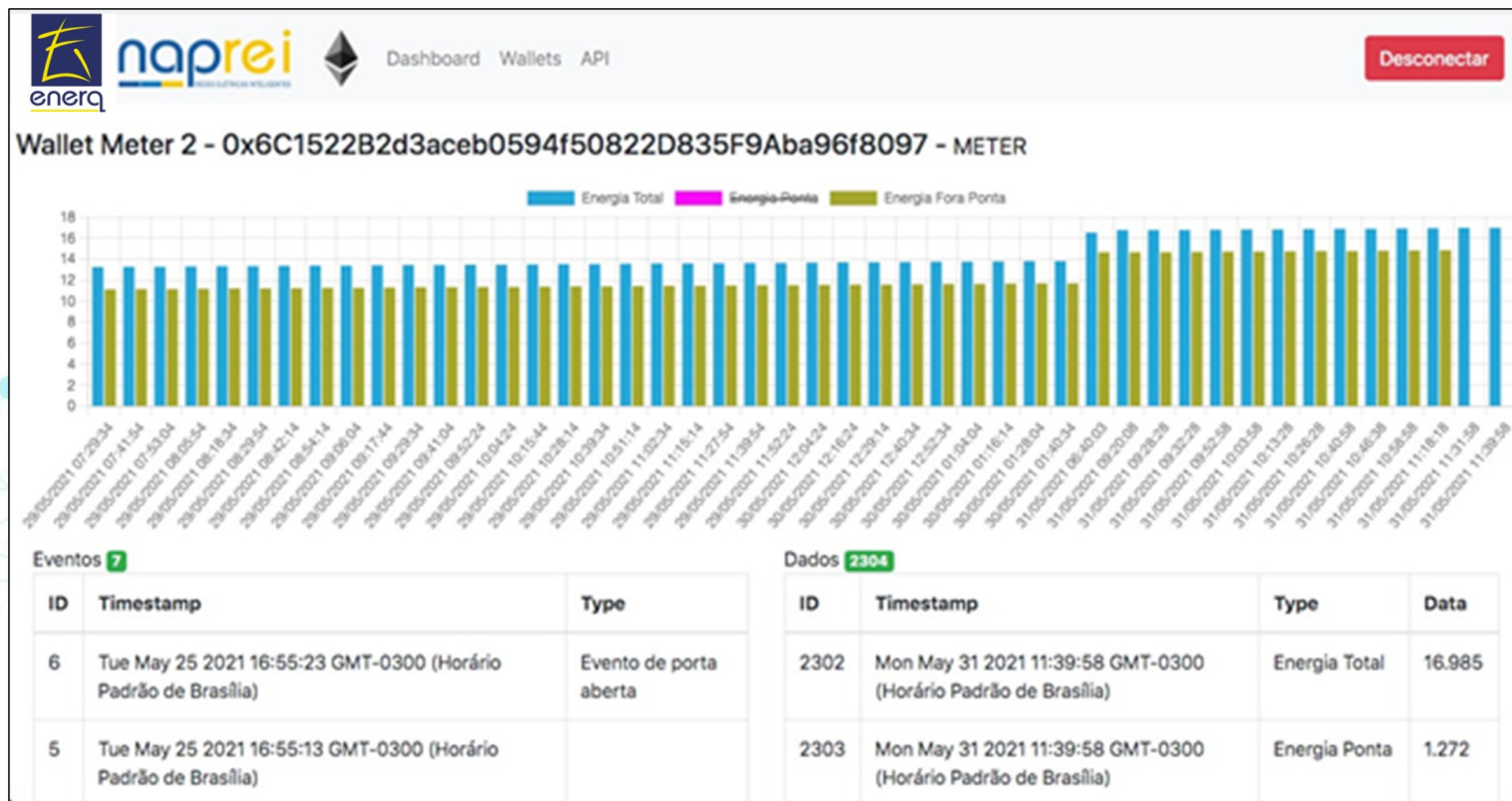
[This is a Goerli **Testnet** transaction only]

Transaction Hash:	0xd7909a500b12f8b89703948babaadd13a1e74cbd835543c155ee9d81ad83c559
Status:	Success
Block:	7816574 7044 Block Confirmations
Timestamp:	11 days 23 hrs ago (Oct-22-2022 10:08:48 PM +UTC)
From:	0x30b64302660f007ad765d14c1cbfb1ab02fab350
To:	[Contract 0xb7c138b2559c1e3019da094eb5d19cbae9cab5ac Created]
Value:	0 Ether (\$0.00)

Blockchain-based Energy Measurement Data Collection



IHM



Thank you

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