

# GÉANT - TF-DLT - Dragonfly / Mantis

SWITCH

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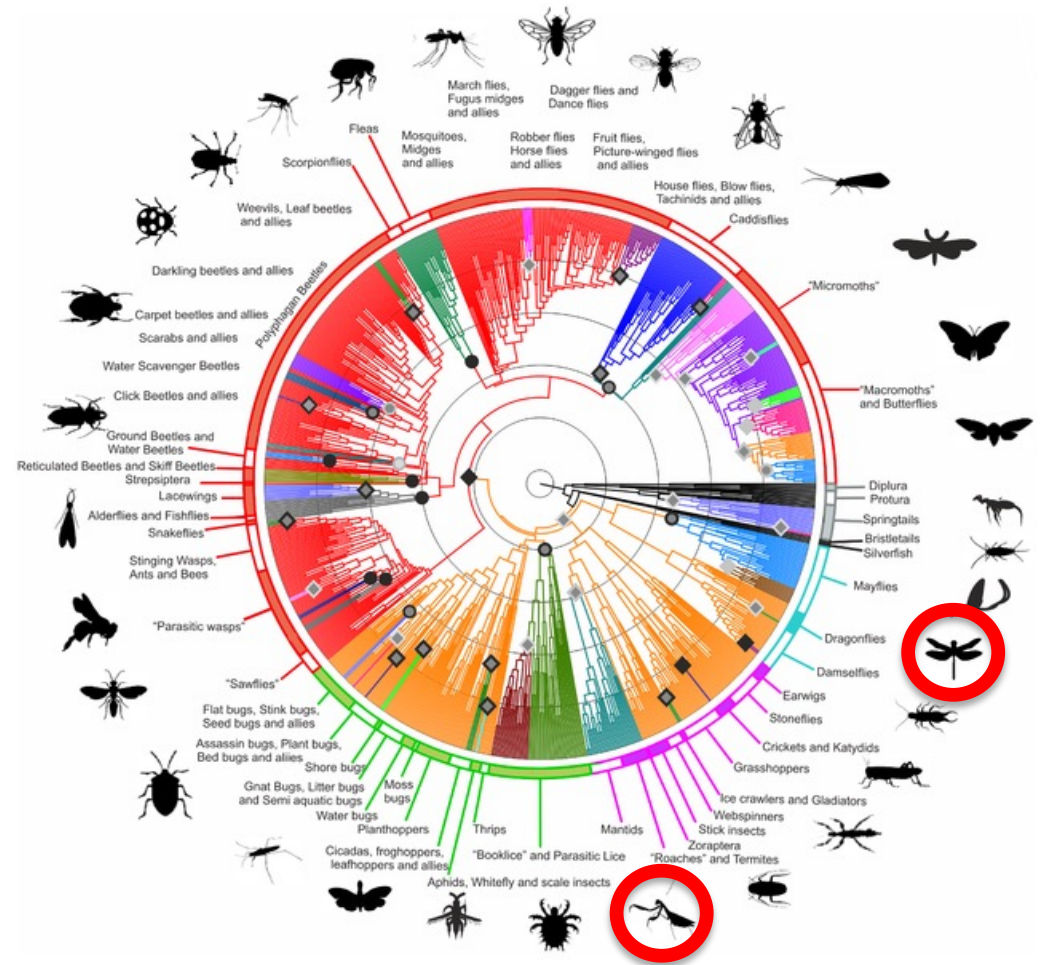
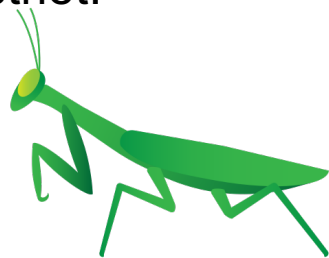
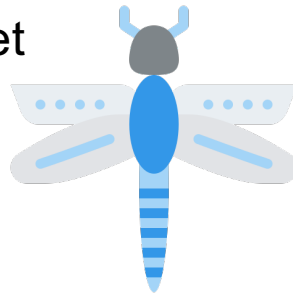
Zurich, April 25th 2022

# Motivation that lead to Dragonfly

- Layer 1 blockchains are hard to scale
- Current Layer 2 blockchain mostly focus on Crypto or specific industries (e.g. Energy, Supply-Chains, etc.)
- Other PoA Blockchain initiatives are very closed and have access limitations.  
=> e.g. Switzerland is not allowed to use EBSI.
- Blockchain technology is very well established in Switzerland. Many of the current digital ledgers have roots in Switzerland
- It can be beneficial if a PoA blockchain is not driven by the speculative value of the main currency. Dragonfly gas tokens is very inflationary by design and can be seen as a SLA token to use the dragonfly infrastructure rather than having financial value.

# Hexapods – The Name ‘Dragonfly’

- Hexapods are insects with 6 legs.
- We use hexapod names to identify components of the Dragonfly ecosystem.
- Dragonfly is the mainnet (production)
- Mantis is the testnet.



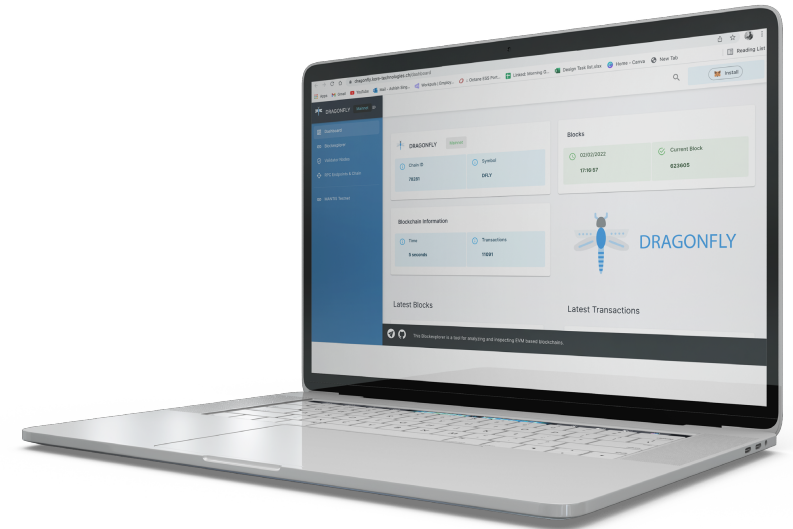
# Dragonfly Blockchain

- Fast, Scalable and Secure
- Open to anyone
- Dragonfly Mainnet / Mantis Testnet
- Layer-2 Blockchain based on Hyperledger BESU



# Dragonfly ticks all the boxes

- Fully EVM (Ethereum Virtual Machine) Compatible
- Cost-efficient & scalable: Capacity to mass validate thousands of transactions per seconds with transaction costs close to zero.
- Sustainable: PoA consensus mechanism. CO2 neutral energy consumption.
- Secured by trusted node validators



=> <https://github.com/hexapods/mantis/blob/main/statement.pdf>

# Dragonfly's Pioneering Validators



# Mantis Testnet

<https://mantis.switch.ch/> (or any other validator node's page)

- Dashboard
- Block Explorer
- Faucet
- Validator Nodes
- RPC & Chains
- Link to Mainnet
- Link to Github

The screenshot shows the Mantis Testnet dashboard in a browser window. The URL is <https://mantis.switch.ch/dashboard>. The interface features a dark green sidebar with navigation links: Dashboard, Blockexplorer, Faucet, Validator Nodes, RPC Endpoints & Chain, and DRAGONFLY Mainnet. The main content area displays key metrics for the MANTIS DRAGONFLY Testnet, including Chain ID (96970), Symbol (MANTIS), Current Block (6135031), and Blockchain Information (Time: 5 seconds, Transactions: 7224). There are also sections for Latest Blocks and Latest Transactions, and a footer note: "This Blockexplorer is a tool for analyzing and inspecting EVM based blockchains."

# Dragonfly Mainnet

<https://dragonfly.switch.ch>  
(or any other validator node's page)

Dragonfly - Hexapod Mainnet

https://dragonfly.switch.ch/dashboard

DRAGONFLY Mainnet

Dashboard

Blockexplorer

Validator Nodes

RPC Endpoints & Chain

MANTIS Testnet

DRAGONFLY Mainnet

Chain ID: 78281

Symbol: DFLY

Blocks

19/04/2022 13:43:49

Current Block: 3724334

Blockchain Information

Time: 5 seconds

Transactions: 32592

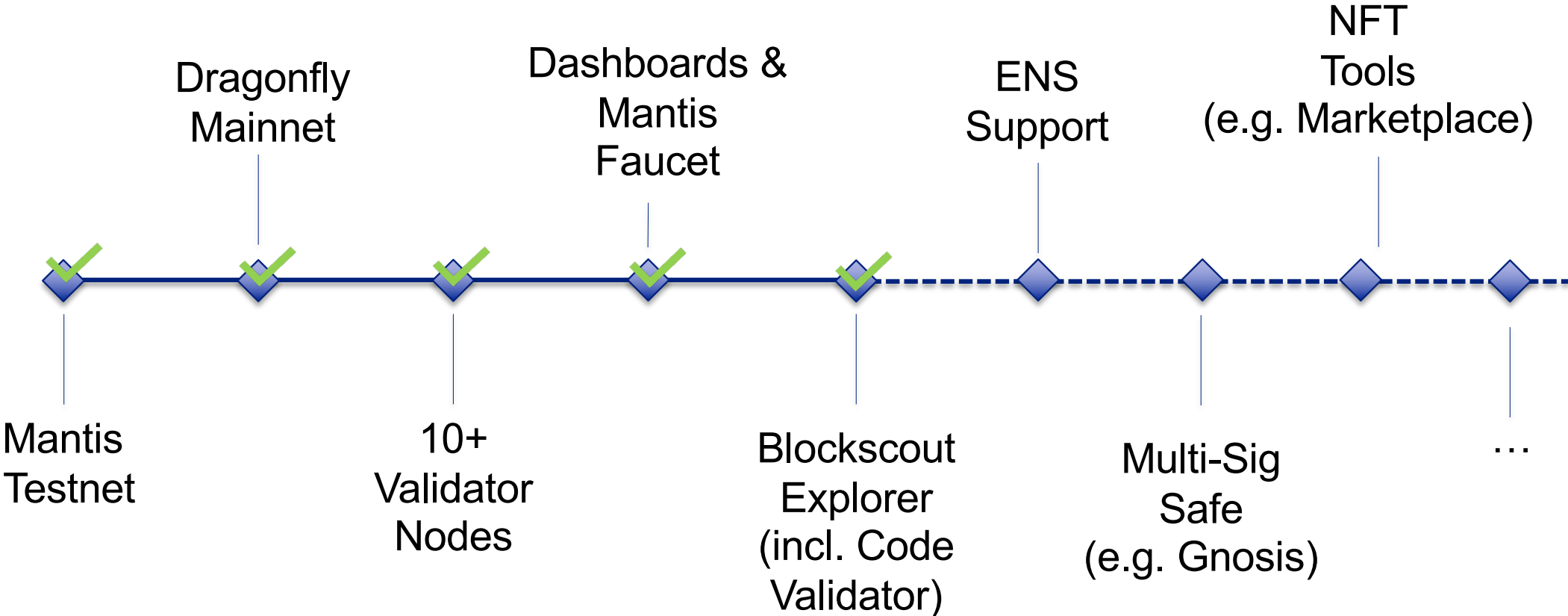
Latest Blocks

Latest Transactions

This Blockexplorer is a tool for analyzing and inspecting EVM based blockchains.



# Dragonfly Roadmap



# Mantis Live Demo

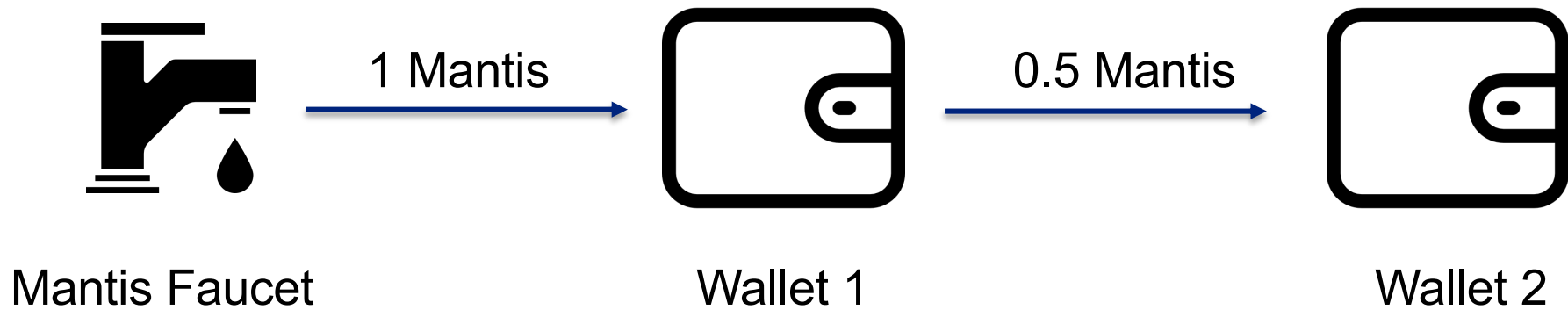
The screenshot shows the Mantis blockchain explorer interface. The browser address bar displays `https://mantis.switch.ch/dashboard`. The left sidebar contains navigation links: Dashboard, Blockexplorer, Faucet, Validator Nodes, RPC Endpoints & Chain, and DRAGONFLY Mainnet. The main content area features a 'MANTIS DRAGONFLY Testnet' header and a 'Connect' button. Below the header, there are two rows of data cards. The first row shows 'Chain ID' (96970) and 'Symbol' (MANTIS). The second row shows 'Blocks' with a timestamp of '19/04/2022 13:37:31' and 'Current Block' (6135031). A 'Blockchain Information' section displays 'Time' (5 seconds) and 'Transactions' (7224). At the bottom, there are sections for 'Latest Blocks' and 'Latest Transactions'. A footer note states: 'This Blockexplorer is a tool for analyzing and inspecting EVM based blockchains.'

Chain ID	Symbol
96970	MANTIS

Blocks	Current Block
19/04/2022 13:37:31	6135031

Blockchain Information	Transactions
5 seconds	7224

# Mantis Live Demo



# SWITCH

