Hyperledger Voting Platform

PlasticTwist – An open platform for plastic lifecycle awareness, monetization and sustainable innovation

Thomas Sermpinis – Oswinds AUTh Team

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|  |  |  |
| **Tel** +30 6978089151 | https://cr0wsplace.com | serbinistom007@gmail.com |
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# Introduction

## Purpose

The purpose of this document is to describe the exact specifications of the Hyperledger voting platform developed under the Horizon 2020 programme, PTwist, in order to support and expand the capabilities of the system.

## Project Scope

This project includes decentralized voting capabilities to support the decentralized addition of new organizations in the final Plastic Twist network. It uses the blockchain technology to exploit its capabilities and the Hyperledger Fabric framework, to be easily applicable to the initial system created by Almerys. The voting system was developed with several aspects in mind, including:

* Interoperability: The system must work with other systems in the Plastic Twist platform
* Ease of use: Non-technical oriented users (like the pilots of Plastic Twist network) must be able to use the voting platform with ease with all the technical processes happening in the background.
* Decentralization: The voting system must be completely decentralized, with no central authorities managing the votes or the new organization addition process.
* Immutability: Data like votes and new organization addition transactions have to remain in the blockchain with no way of modification, for users to be able to query the ledger and be sure for the authenticity and integrity of the voting process.

## References

# Overall Description

# System Features

## Statement of Financial Position

* Liabilities
* Statement of Financial Position
* Ownership Equity

## Statement of Comprehensive Income (Profits and Losses)

* Income
* Expenses
* Profits

## Statement of Changes in Equity

Well, it wouldn’t be an annual report without a lot of numbers, right? This section is the place for all those financial tables.

To get started with a table that looks just like the sample here, on the Insert tab, click Tables, then choose Quick Tables.

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Revenue | Expenses | Earnings |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Statement of Cash Flows

* Operating
* Investing
* Financing

# Notes to Financial Statements

## Accounts

When you have a document that shows a lot of numbers, it’s a good idea to have a little text that explains the numbers. You can do that here.

## Debt

Of course, we would all prefer to just have profits. But if you’ve got any debt, this is the place to make notes about it.

## Going Concern

Okay, you get the idea. If you’ve got notes to add about your financials, add them here.

## Contingent Liabilities

Keep in mind that some of these headings might not apply to your business (and you might have others to add). This one, for example, is about potential liabilities that could arise if something happens in the future, such as a pending legal decision.

## Takeaways

What would you like your readers to understand? Add notes on key takeaways here.

# Independent Auditor’s Report

* 1. Unqualified Opinion
  2. Qualified Opinion Report
  3. Adverse Opinion Report
  4. Disclaimer of Opinion Report
  5. Auditor’s Report on Internal Controls of Public Companies
  6. Going Concern

# Contact Information

To replace a photo with your own, right-click it and then choose Change Picture.

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| Sample person image | **Name**  Title  **Tel** [Telephone]  **Fax** [Fax]  [Email Address] | Sample person image | **Name**  Title  **Tel** [Telephone]  **Fax** [Fax]  [Email Address] |
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| Sample person image | **Name**  Title  **Tel** [Telephone]  **Fax** [Fax]  [Email Address] |  |  |

# Company Information

**Thomas Sermpinis – Oswinds AUTh Team**

[Street Address, City, ST ZIP Code]

**Tel** +30 6978089151

**Fax** [Fax]

serbinistom007@gmail.com

