

HÉLICE

Halving the price of artificial organs and bionic prostheses

Lite Paper

helice-prosthesis.fr

Helice is a split payment service specialized in the medical sector, particularly in prosthetics. In addition to this traditional service, Helice occasionally offers its recurring clients a unique and highly competitive deal: prosthetics (or artificial organs) at prices reduced by up to 50%, without any compromise on the quality of the prosthetic! This model of price reduction for prosthetics is described in the LitePaper presented here.

To name a few, bionic arm, retinal implant, heart implant prostheses or exoskeletons are very expensive. Yet, for some of these uses, this specific technology has already been on the market for more than 10 years. But time has not come for price reductions. The sector is facing a lack of dynamism, and price do not decrease, here are the main reasons explaining this situation:

- These sophisticated technologies require a very high degree of individualization.
- Several weeks and even several months are necessary to implant the prosthesis.
- This creates physical pain to patients, resulting in discouragement.
- The fragility and the evolution of the patient's condition generate heavy ongoing costs.
- Even the most sophisticated prostheses do not last for a long time, discouraging patients.
- It takes several years for new products to obtain some regulatory approval.

Due to these specific and extremely complex factors, only a "disruptive" solution can effectively address these challenges and move the sector forward from stagnation.

Helice offers this discount exclusively to its recurring clients of the split payment service (manufacturers, hospitals, healthcare facilities), with the aim of fostering loyalty and on the condition that they are committed to the long-term democratization of prosthetic technologies, for the benefit of patients.

(The present Litepaper is not a prospectus within the meaning of Article L.412-1 of the Monetary and Financial Code, nor an information document approved by the AMF. Helice may modify this Litepaper at its sole discretion. Investing in crypto-assets is risky and can lead to the total loss of one's capital).

A) Market organization

The Hélice token maximum supply is **1 unit and it can be divided up to 18 decimals. The minting of additional tokens is forbidden.** During phase 2 (see Yellow Paper), the token is exchanged **only** via a platform administered by Hélice and/or a centralised partner exchange, with publication of **the prices and the Order Book**. When purchasing the Hélice token, all participants commit themselves to:

- Only use this platform that is managed by Hélice (with the impossibility of transferring tokens outside the platform or a non-partner exchange).
- Grant Hélice discretionary rights on **1 to 10% of the amount of daily exchanges** in order to achieve gains to finance the prostheses.

Example¹ with $1\text{H} = \text{€}10.000.000$:

Figure 1

Should there be a rise (+10%)	Should there be a drop (-10%)
1. Hélice borrows 1M€ to buy 0.1H. 2. After the price has risen (11M), Hélice uses its discretionary right and sells 0.1H.	1. Hélice borrows 0.1H and sells them. 2. After the price has fallen (9M), Hélice uses its discretionary right and buyback 0.1H.
Gains : 100k€	Gains : 100k€

On the Hélice platform, the Order Book's configuration will be different from typical configurations. It will have to enable Hélice to organize its operations, for 1 to 10% of the amount of daily exchanges, in a non-speculative way, meaning without any risk of loss (more information in the Yellow Paper). Hélice does not have any privileged information and its identity is never obscured (Yellow Paper).

Hélice **doesn't use any earnings made as a source of revenue** but to finance prostheses.

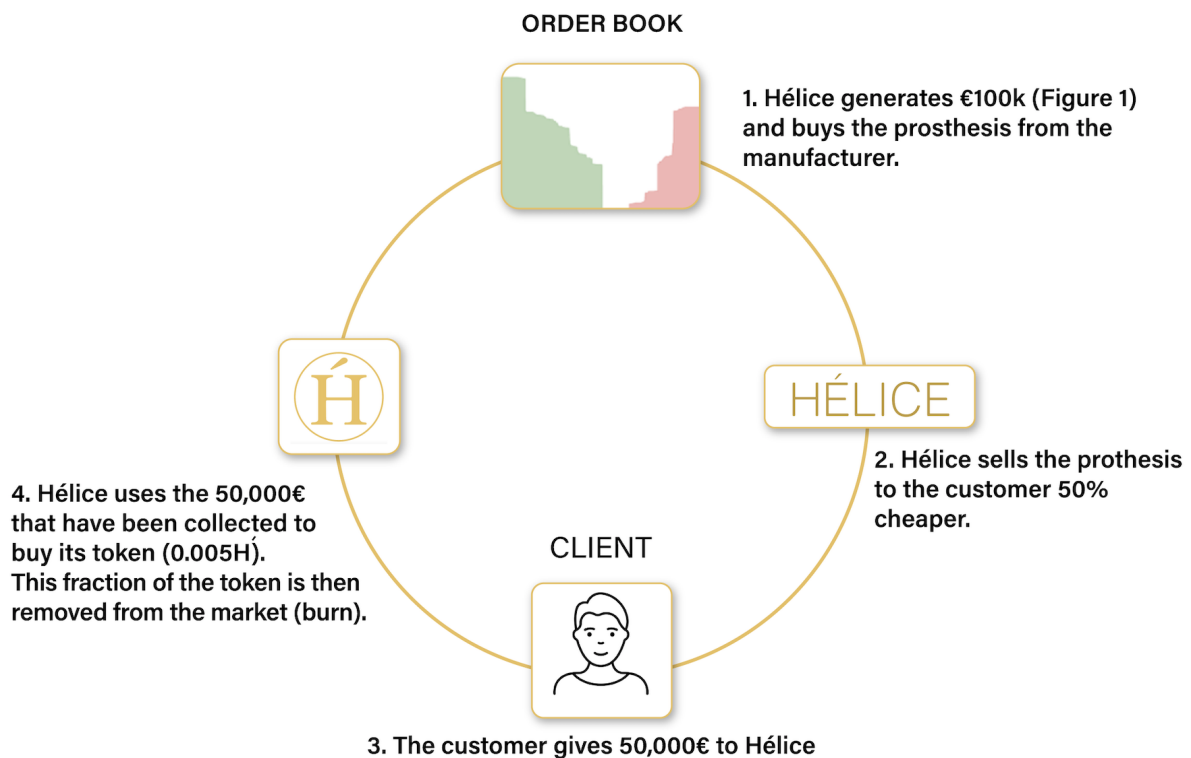
As a counterpart to the discretionary right, Hélice shall realize a buyback and a burn of its token (part B).

Although the token is highly centralized in Phase 2, Hélice may develop a decentralized system in the future (see Phase 3 on Yellow Paper).

¹ For the purposes of this discussion, all price differences have been deliberately distorted.

B) Halving the price of the prosthesis and buyback-burn

Example of a selling pattern for a prosthesis €100.000 worth with $1\text{H} = \text{€}10.000.000$
Figure 2



The patient pays less and with the burn the total supply of the token is reduced

Hélice buys back the fraction of the token **at the market price** and burns it **instantly**.

The Hélice platform **shall disclose to everyone** any buy back and burn operations performed, as well as the number of tokens deleted and prostheses sold.

As shown on figure 1 (page 2), Hélice **buys and sells** the same amount of tokens so as to make enough earnings to finance the prosthesis. At this point, from the viewpoint of supply and demand, the transaction is therefore neutral. Then, Hélice uses the money given by the customer (€50k in figure 2:3) **to buy back a fraction of the token (0.005H figure 2:4) and removes it from the total supply (burnt)**.

In this way, Hélice buys more tokens than what it sells, thus leading to some buying pressure on the token

C1) Burn & Earn

Hélice's buyback-burn process introduces an innovation aimed at boosting trading volumes on its token. This involves offering traders a refund in case of a losing trade. Indeed, at step 2.4, Hélice maintains a reserve of €50k for buyback & burn and presents a trader with an opportunity to invest €50k of their own funds to purchase 0.005H:

-If the trader's position incurs a **loss** (but is not yet liquidated), Hélice utilizes its €50,000 reserve to refund the trader and burn the 0.005H that were purchased. The effect is equivalent to a conventional buyback-burn.

-If the trader's position is **profitable** (e.g., $0.005H = €52,000$), the trader gains a profit. Hélice, which still holds the dedicated €50k buyback & burn reserve, can offer the trader another opportunity to engage in a new trade covered by €50k, thereby further increasing volumes on the token.

C2) Partner Selection & Use of the Token

Helice works with various partners who sell medical products. These can include manufacturers, distribution chains, hospitals, or healthcare facilities, etc. Helice always chooses partners who are committed to reducing the price of prosthetics and artificial organs in the long term, and who demonstrate a genuine policy of research and development in their technologies when they are manufacturers. They must not use Helice's offer to engage in dumping. The Helice token allows for recording each transaction related to its split payment service or reduced-price prosthetics, along with associated data. It can also be purchased by anyone wishing to participate in disrupting the biotechnology sector by helping to reduce prices, without expecting a financial return.

C3) Conclusion

What should give value to the Hélice token? It's not the number of buybacks or burns, but the promise that Hélice will use its service to serve more patients. The goal is to enable Hélice to become a benchmark in split payments in the medical field, and for its partners, who possess quality prosthetic technologies and aim to reduce their prices in the long term, to gain a larger market share. Hélice will have succeeded if it manages to increase the adoption of these technologies.

Héloïse Ravaz ; Translated from french.