

HÉLICE

Halving the price of artificial organs and bionic prostheses

Lite Paper

helice-prosthesis.fr

Hélice aims at reducing drastically the cost of medical prostheses. 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. An indeed, 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.

The Hélice token (H) is the simplest solution provided by current cryptoasset technology. **It's not a currency, but a tool**, which should enable the splitting of prosthetics' prices as well as generate an influx of capital to accelerate their development, much faster than the current biotech model would allow.

(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.

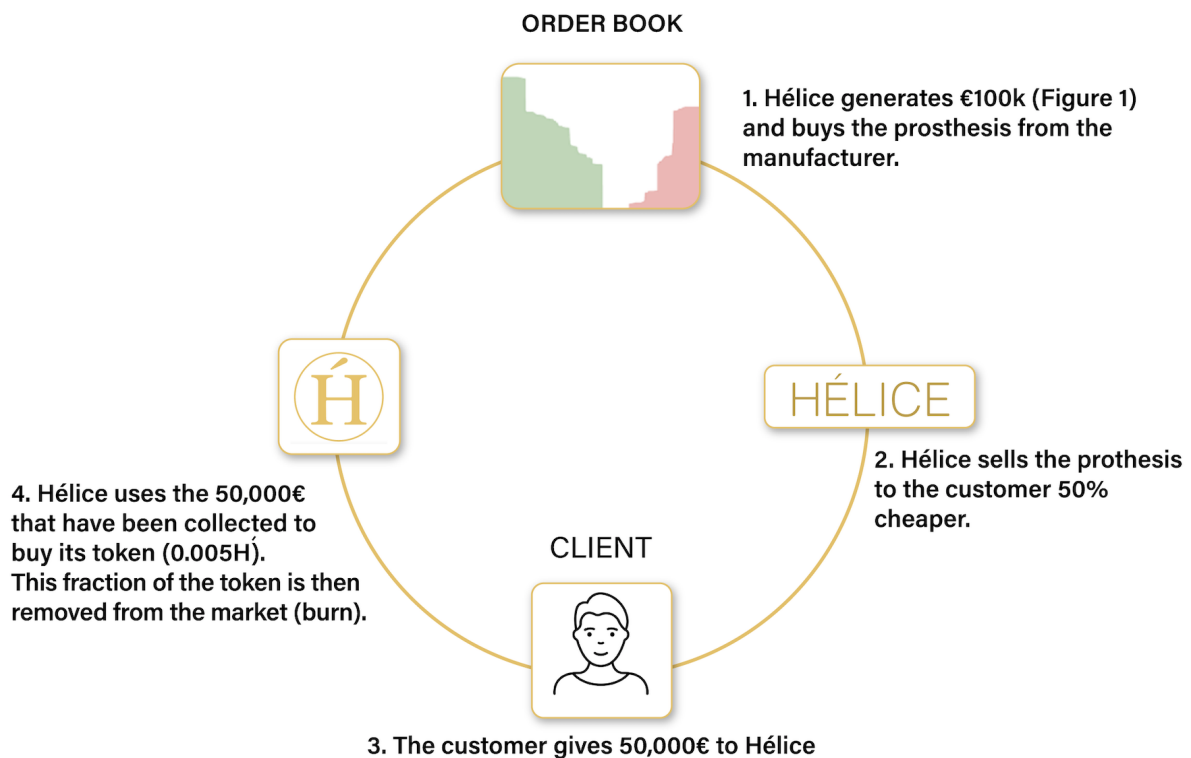
As a counterpart to the discretionary right, Hélice shall realize a buyback and a burn of its token (part B).

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 permanently 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) Use of the Token

Hélice doesn't make money by selling its token, but solely by taking a margin on prosthesis sales as a distributor. The H token is intended for those who believe Hélice can disrupt the biotechnology industry, without expecting financial returns. The more volume Hélice has on its token, the more products it can sell to its customers at -50%. This increased product sales allows for token buybacks and burning. Thanks to its model, Hélice possesses a competitive advantage that enables it to sell a prosthesis at -50% **without any modifications** to it and **without any decrease** in revenue for the manufacturer.

C3) Conclusion

What should give value to the H token? Not the number of buybacks or burns but the promise that Hélice will leverage its competitive advantage to become a market leader, serve more patients and develop one day its own technology. **When buying the token, the buyer funds Hélice's price reductions**, enabling Hélice and its partners to gain market share.

Héloïse Ravaz ; Translated from french.