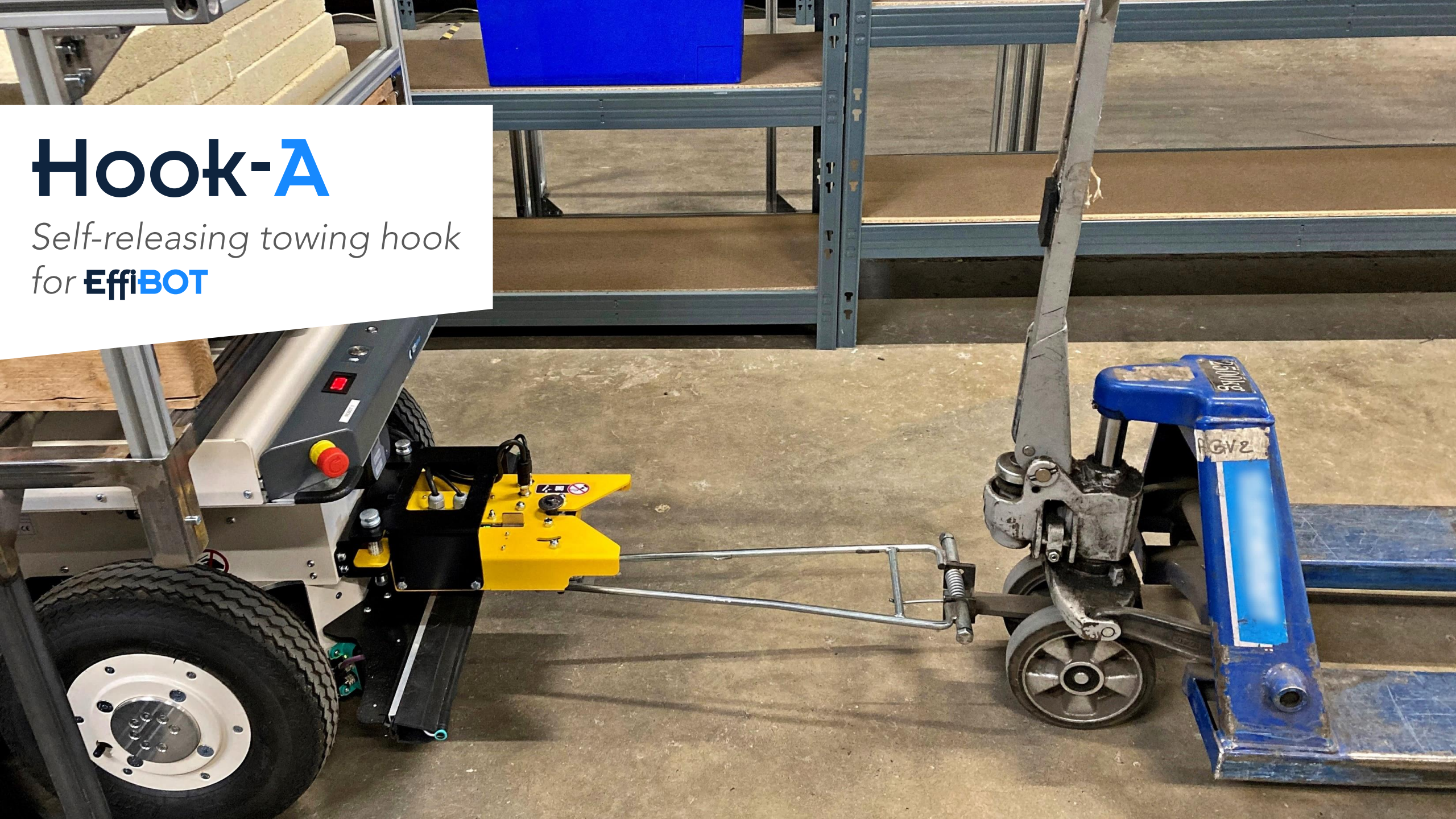


# Hook-A

Self-releasing towing hook  
for **EffiBOT**







# Hook-A

**Hook-A** is a trailer hook for **EffiBOT**. With its **automatic release function**, it allows the **EffiBOT** to transfer trailers to different destinations in the factory or warehouse.

**Hook-A** is compatible with our range of **Shaped Trailers**, but can also be used with your own trailers.

This accessory uses **safety electronics (PL-d level)** that continuously control and monitor the trailer hook-up.

Benefit from the **Follow-me 360°** collaborative technology, the **EffiBOT**, attached to a trailer, assists your operators in moving heavy loads.

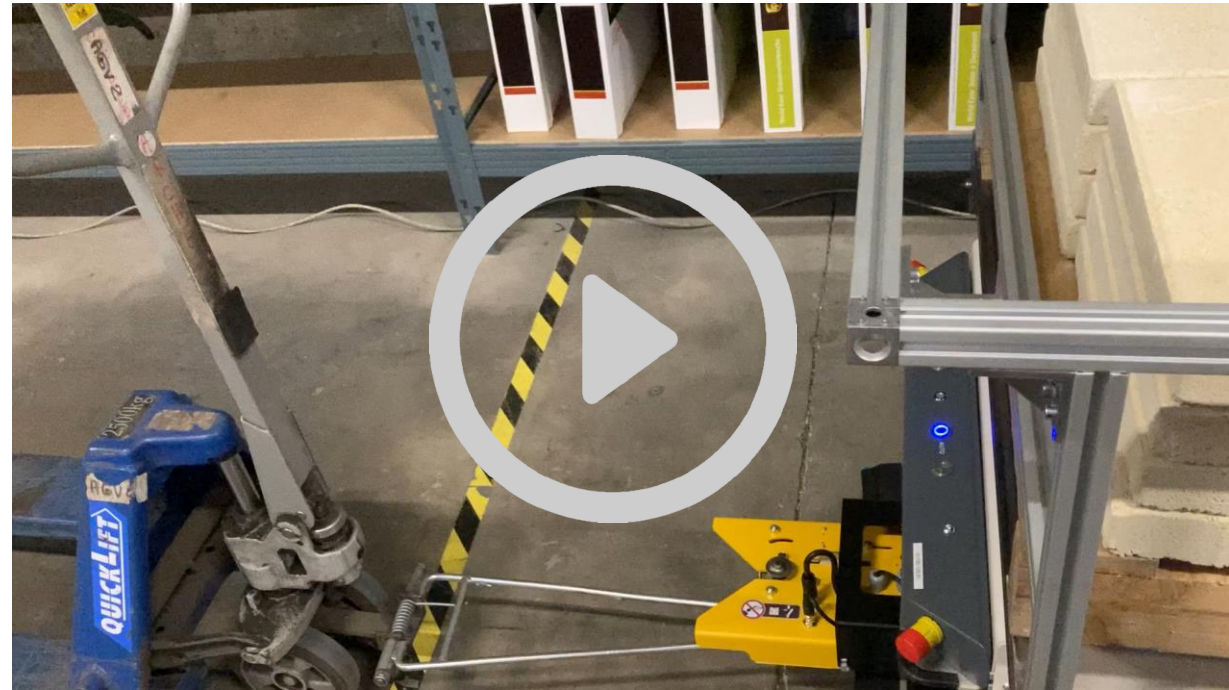




# Use cases



<https://youtu.be/9LS5vTRzsRE>



<https://youtu.be/mNk3zUDSpOY>

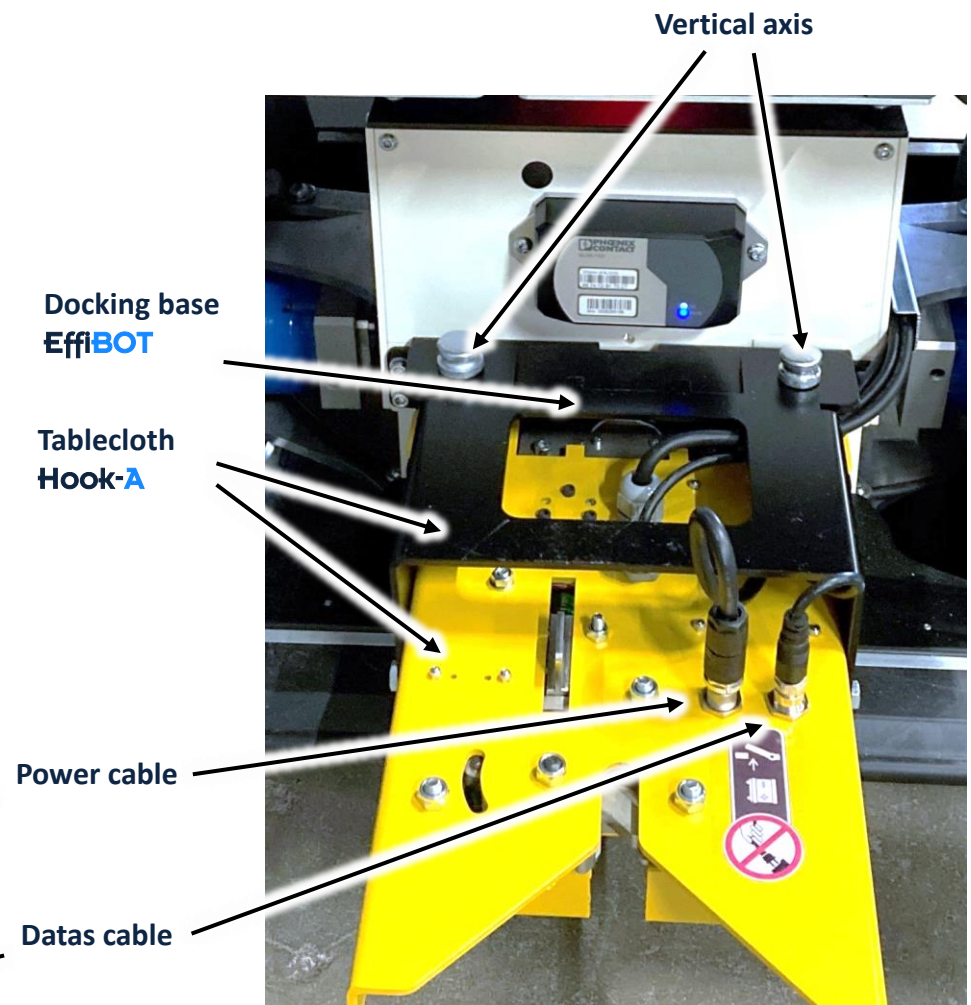
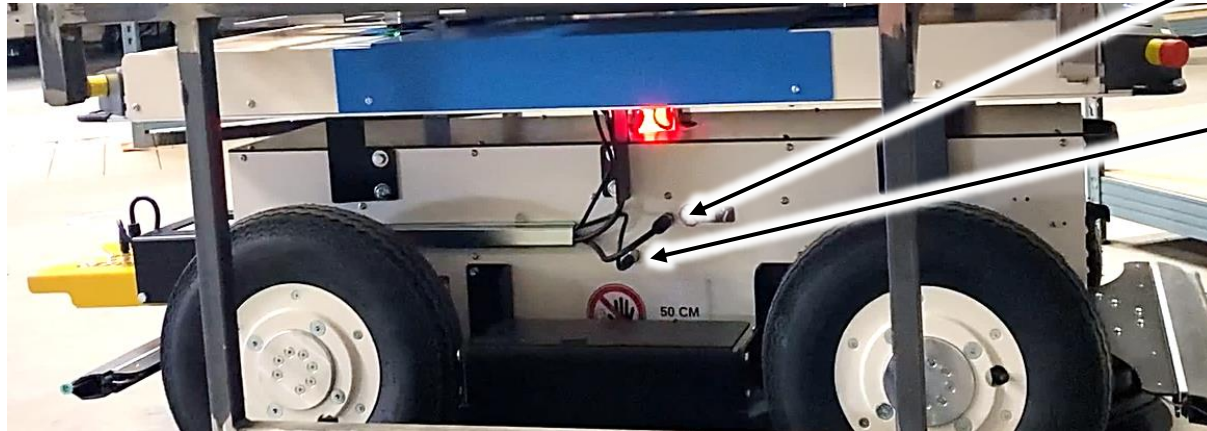






# The Hook-A accessory

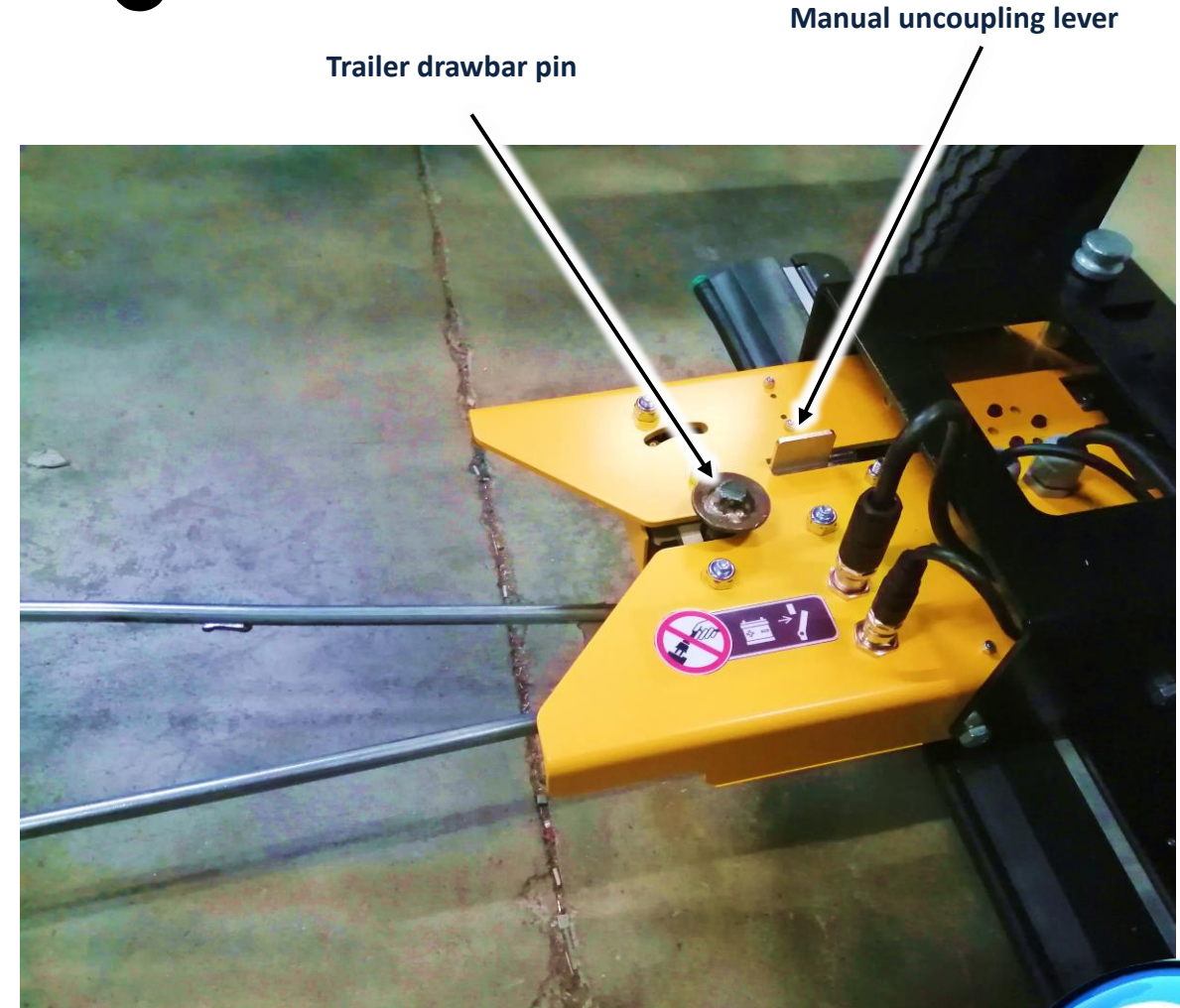
- **Hook-A** is an accessory that is installed on the end of the **EffiBOT**. The robot must have the hitch option (*black docking base*).
- Insert the **Hook-A** chain into the **EffiBOT** docking base and lock the assembly with 2 vertical pins.
- Connect the power cable and data cable to the **EffiBOT**'s side sockets.





# The Hook-A accessory

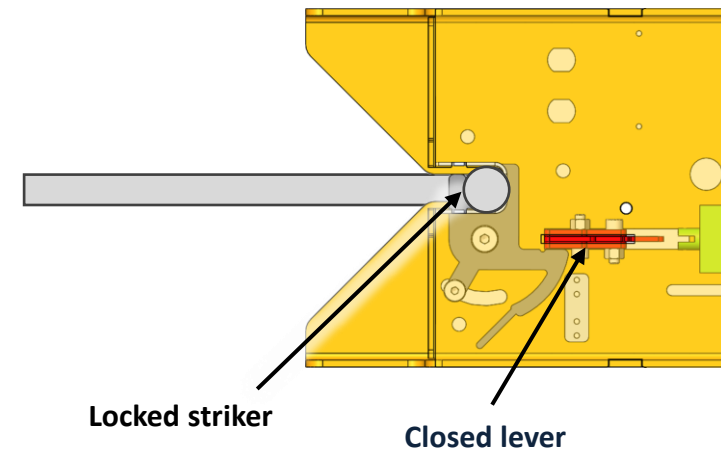
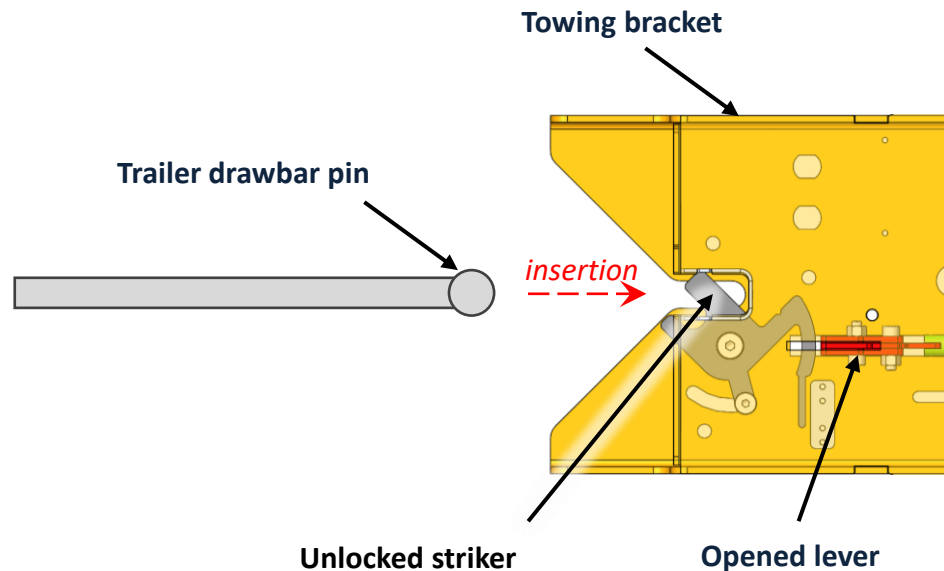
- The drawbar of the trailer must have a vertical axis and be manually inserted into the **Hook-A** hook.
- **EffiBOT** is ready to move, either **autonomously** or in **Follow-Me**, followed by its trailer.
- The trailer can be uncoupled automatically by the **EffiBOT** either from predefined positions in the mapping software or from an order received by the fleet server.
- The trailer can also be uncoupled **manually** by operating a lever.





# Illustrated functioning

- Manually place your trailer tongue pin into the **towing bracket**.
- The **Hook-A automatic striker** hooks and locks your trailer tongue pin.
- Once **EffiBOT** has reached its release zone, it will unlock to release the trailer pin.
- A **manual release** is available by activating the lever. This lever, when closed, blocks the striker to **lock it**. When open, it releases the striker to **unlock it**.







# Hook-A & EffiBOT, configuration

- Our **Hook-A** system is compatible with our **Shaped Trailers** range of trailers. It can also be on yours, depending on its characteristics!

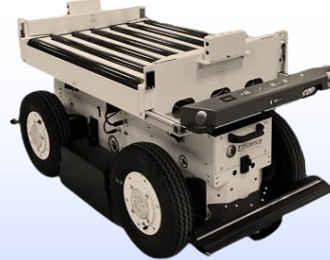
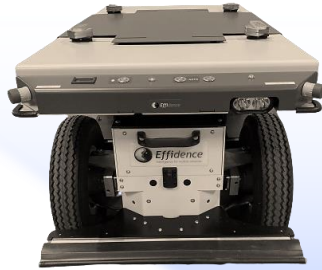
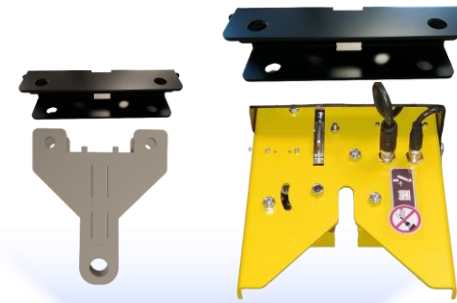


**FlatShape**



**C-Shape**





Hook-A

