

## Input Images to Vectorize



## Text Instructions to SVG

*An icon of a red cross inside a circle*

*An green and white emergency exit icon*

*A design of a storm cloud*



## Generated SVG Code

```
1 <svg width="402pt" height="147pt" viewBox="0.00 0.00 401.50 147.00" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink">
2   1 <svg width="402pt" height="147pt" viewBox="0.00 0.00 401.50 147.00" xmlns="http://www.w3.org/2000/svg"
3     xmlns:xlink="http://www.w3.org/1999/xlink">
4     2 <svg width="402pt" height="147pt" viewBox="0.00 0.00 401.50 147.00" xmlns="http://www.w3.org/2000/svg"
5       xmlns:xlink="http://www.w3.org/1999/xlink">
6         3 <g id="graph0" class="graph" transform="scale(1 1) rotate(0) translate(4 143)">
7           4 <polygon fill="white" stroke="transparent" points="-4,4 -4,-143 397.5,-143 397.5,4 -4,4" />
8           5 <g id="node1" class="node">
9             6 <polygon fill="#bfbfbf" stroke="black" points="137.5,-120.5 137.5,-138.5 237.5,-138.5 237.5,-120.5 137.5,-120.5" />
10            7 <text text-anchor="middle" x="187.5" y="-126.5" font-family="Helvetica,sans-Serif" font-size="10.00">src/Ioss_Sort.h</text>
11          </g>
12        </g>
```

rasterize

## Image Vectorization Output



## Text-Driven SVG Output



StarVector performs SVG generation from images or texts.  
It is trained on the large-scale 🌟 SVG-Stack Dataset,  
and it is evaluated on 🏆 SVG-Bench