



FLEXIBLE HEATER

At JN White®, every heater is built to your unique specifications—no off-the-shelf compromises. We deliver smart, reliable, and fully tailored heating solutions to match your application needs.

DESIGN CONSIDERATIONS

To begin the design process, we need the following:

- **Coverage Area**
 - What size does the heater need to cover?
- **Available Power**
 - What voltage and power source is available?
- **Battery-Powered:** If using a battery, we also need:
 - **Battery Voltage**
 - **Milliamp Hours (mAh)**
 - **Battery Connector Type**

This helps us assess amperage draw and runtime.

- **Target Temperature**
 - What is the required temperature?
- **Application Surface**
 - What material or surface will the heater be applied to?

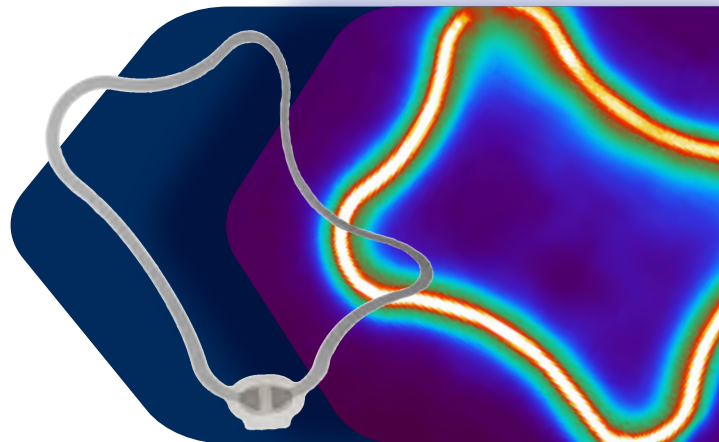
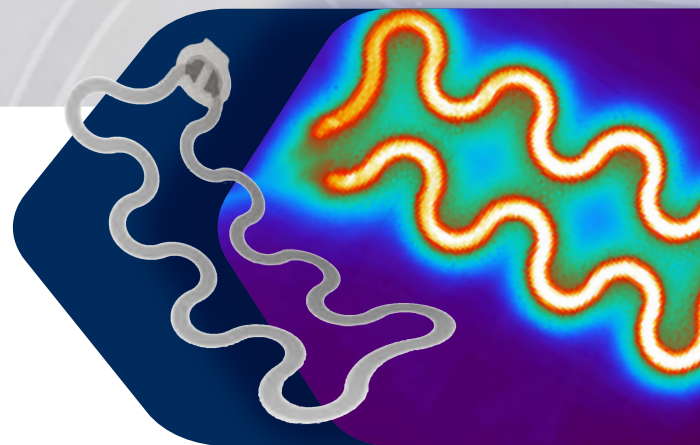
POWER VS. SIZE TRADE-OFFS EXAMPLES

- **Feasible:** 6" x 6" @ 120°F using 12V
 - Plenty of power for a small area.
- **Not Feasible:** 20" x 20" @ 120°F using 5V
 - Too little power for a large area.



DEVELOPMENT KIT

Larger Heater: 7.4V
Smaller Heater: 5V



PROTOTYPING PROCESS

Typically no more than 3 iterations are needed to fine-tune the design.

First iteration lead time: 4–6 weeks.

MATERIAL LIMITATIONS

Do not exceed 200°F. TPU film with Hot Melt Adhesive may lift if overheated.

Heaters over 10" x 10" typically require 12V for optimal performance.