



## THE UHV BAKEOUT CONCEPT

- Heating jackets
- Bakeout tents
- Heater tapes
- Heater fan
- Temperature control

# ABOUT HEMI HEATING AB

Since 1991 Hemi Heating has produced and developed surface heating systems, focusing on quality and high service level. We offer a wide range of heating products for science and various manufacturing industries.

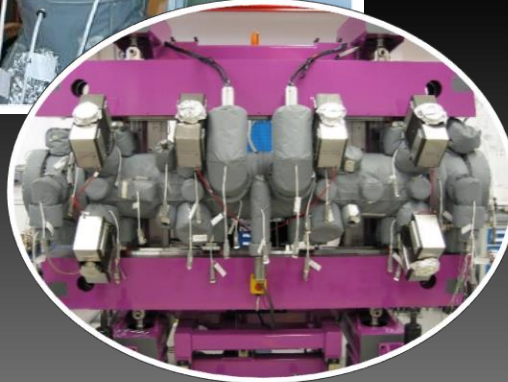
The company is built with all the necessary knowledge and experience required to achieve the most efficient heating from simple solutions to the most complex needs from our customers. Today we are a leading actor in the market within the area of flexible surface heating systems.

Our headquarter is located in the south side of Stockholm.



# THE UHV BAKEOUT CONCEPT

## Heating jackets



## ADVANTAGES

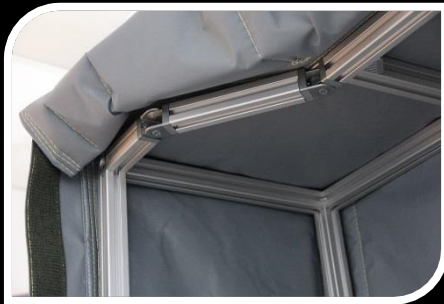
- Unlimited design
- Low surface temperature
- Simple installation
- Long life length
- Homogenous temperature
- Nice outlook on customers system
- Available in Clean room version

## APPLICATIONS

- Chamber systems
- Transfer arms
- Valves
- Crosses & TEE
- Pumps
- Tubings and Bellows
- Manipulators

# THE UHV BAKEOUT CONCEPT

## Bakeout tents



Aluminum supporting frame



Bakeout Heater Fan  
HF-230 VAC



### APPLICATIONS

- General bakeout from small to big UHV systems

### ADVANTAGES

- Simple to design
- Easy to install & store
- Long life length
- Homogenous temperature up to 250°C
- Price competitive solution
- Clean room compatible – dust free

# THE UHV BAKEOUT CONCEPT

## Heater Fan HF-230 VAC

*with focus on safe and reliable heating*

**New!**



### APPLICATIONS

- Heating tents and boxes

### ADVANTAGES

- Built in resettable over temperature switch
- Very low surface temperature on the fan cover
- Built in thermocouple as standard that enables external temperature control

**Operating Voltage:**  
220-240 VAC, 50-60 Hz

**Variable thermostat:**  
50-240°C

**Max power:**  
2500W

**Over temperature security:**  
300°C

**Air flow:**  
Approx. 200 cbm/h

**Sensor type for external control:**  
Thermocouple type K



# THE UHV BAKEOUT CONCEPT

## Heater tapes



### APPLICATIONS

- General bakeout from small to big UHV systems

### ADVANTAGES

- Standard lengths in stock
- Long life length
- Operating temperature up to 400°C
- Price competitive solution

# THE UHV BAKEOUT CONCEPT

## Temperature control

PID/Rampable by time stand alone units



Built in bimetal thermostats in the jacket



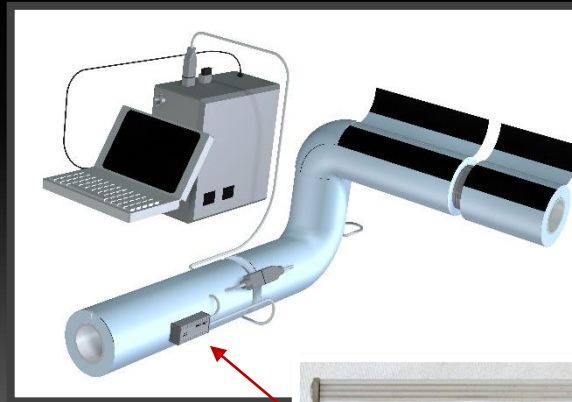
PID 1-10 Channel cabinets



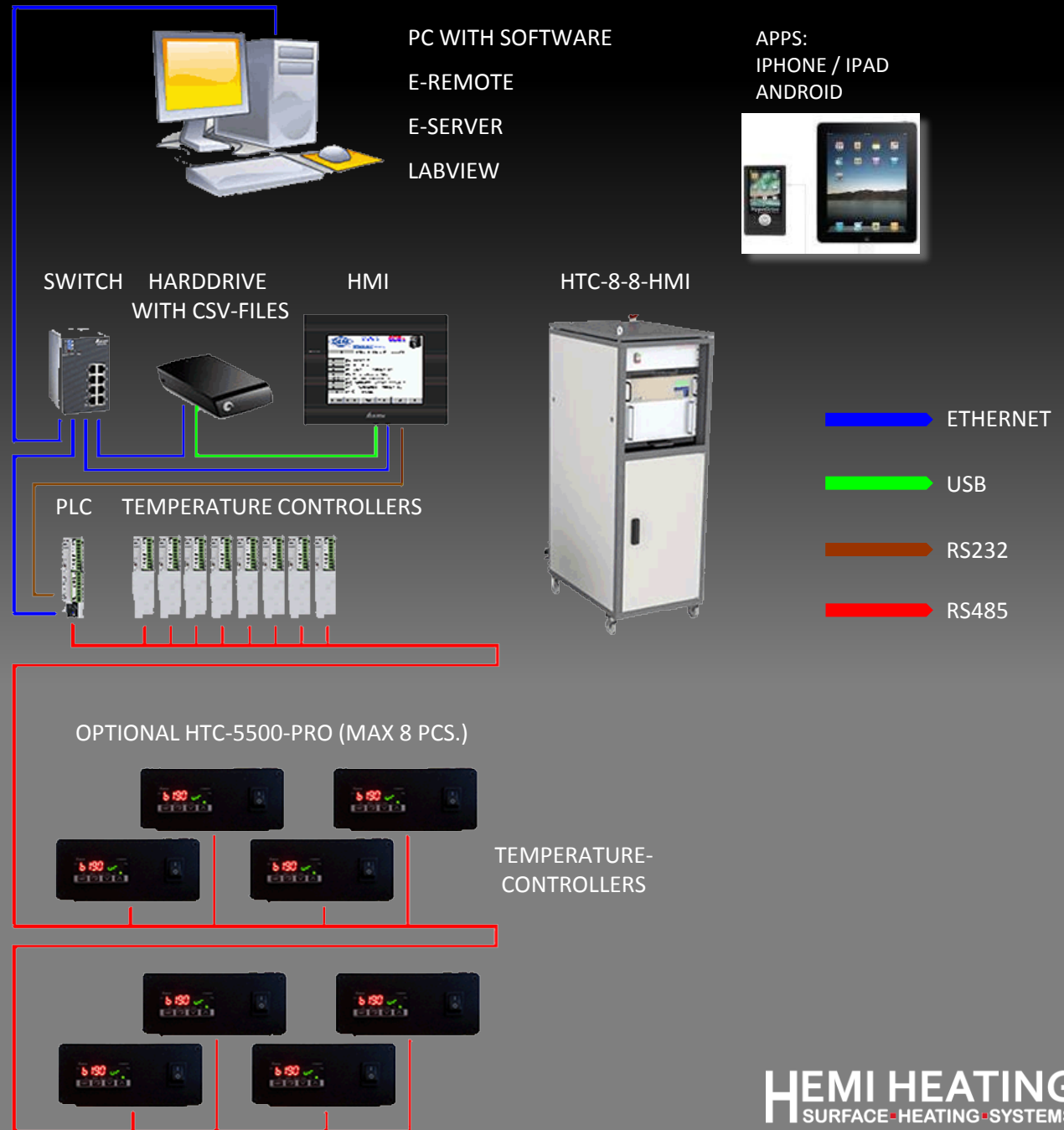
Custom made acc. to specification



PC-Operated control (Watch-system)



# HEMI HEATING HEAT PROCESS MANAGEMENT SYSTEM





# THE UHV BAKEOUT CONCEPT

## Heat resistance accessories

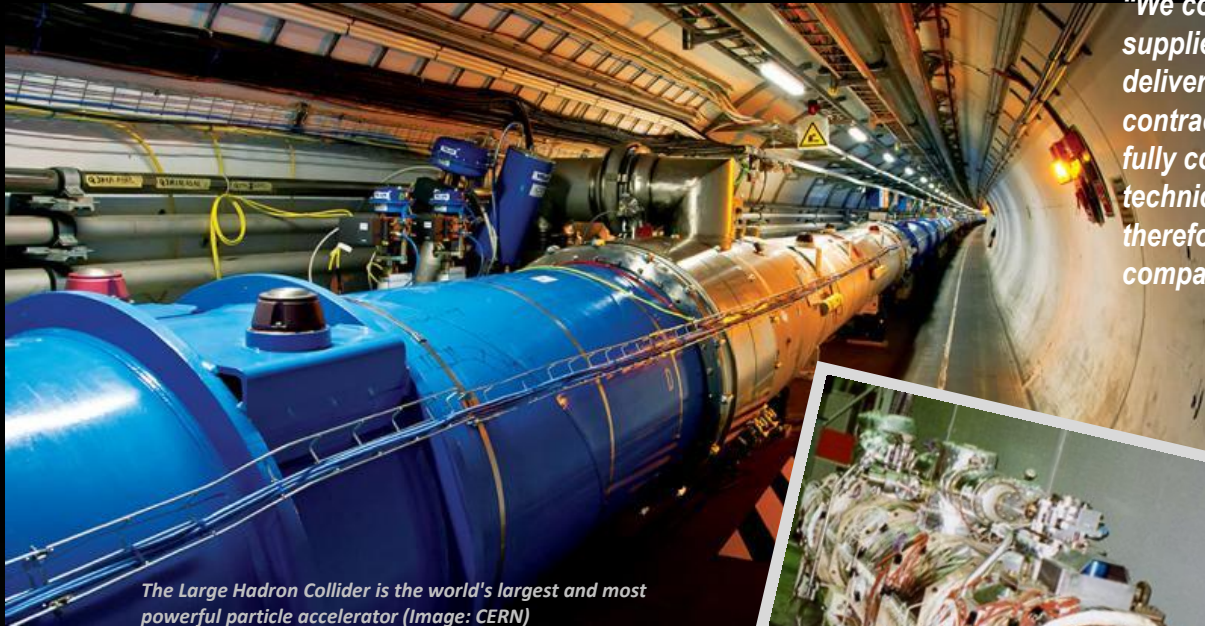


### Consumables

- ✓ Aluminium foil extra robust 50m x 0,5m
- ✓ Aluminium tape high quality 50m x 50mm
- ✓ String Aramid 250°C 10m
- ✓ String Glass Fiber 500°C 10m



# ONE OF OUR REFERENCES... CERN



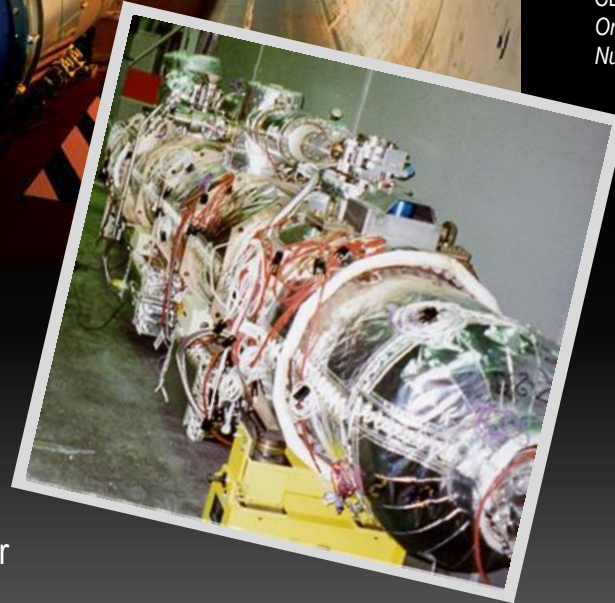
*The Large Hadron Collider is the world's largest and most powerful particle accelerator (Image: CERN)*

Hemi Heating has for more than 20 years been one of the main suppliers for different project at the CERN Laboratory in Geneva.

CERN, a source of inspiration and challenge, has taught us to develop and design heater jackets for demanding applications in the UVH area.

*"We confirm that the supplies have been delivered within the contractual schedule and fully compliant to CERN' technical specification. We therefore recommend the company Hemi Heating"*

Purchase Dept.  
CERN European  
Organization for  
Nuclear Research





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