



# VISITORS GUIDE

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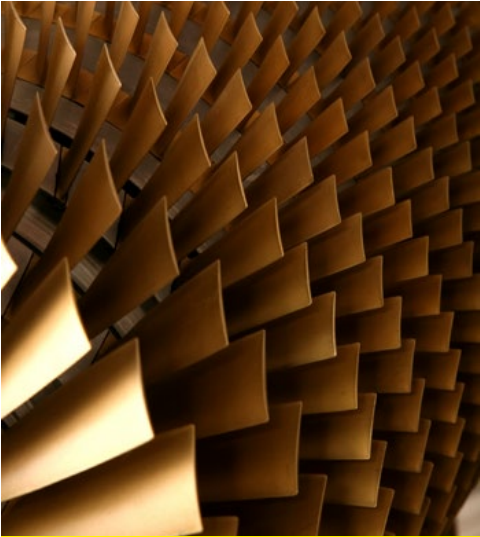
30 Industrial Road, Hermitage, Pennsylvania



VACUUM HEAT TREATING • BRAZING • CARBURIZING • NITRIDING

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*YOUR THERMAL PROCESSING ADVANTAGE*



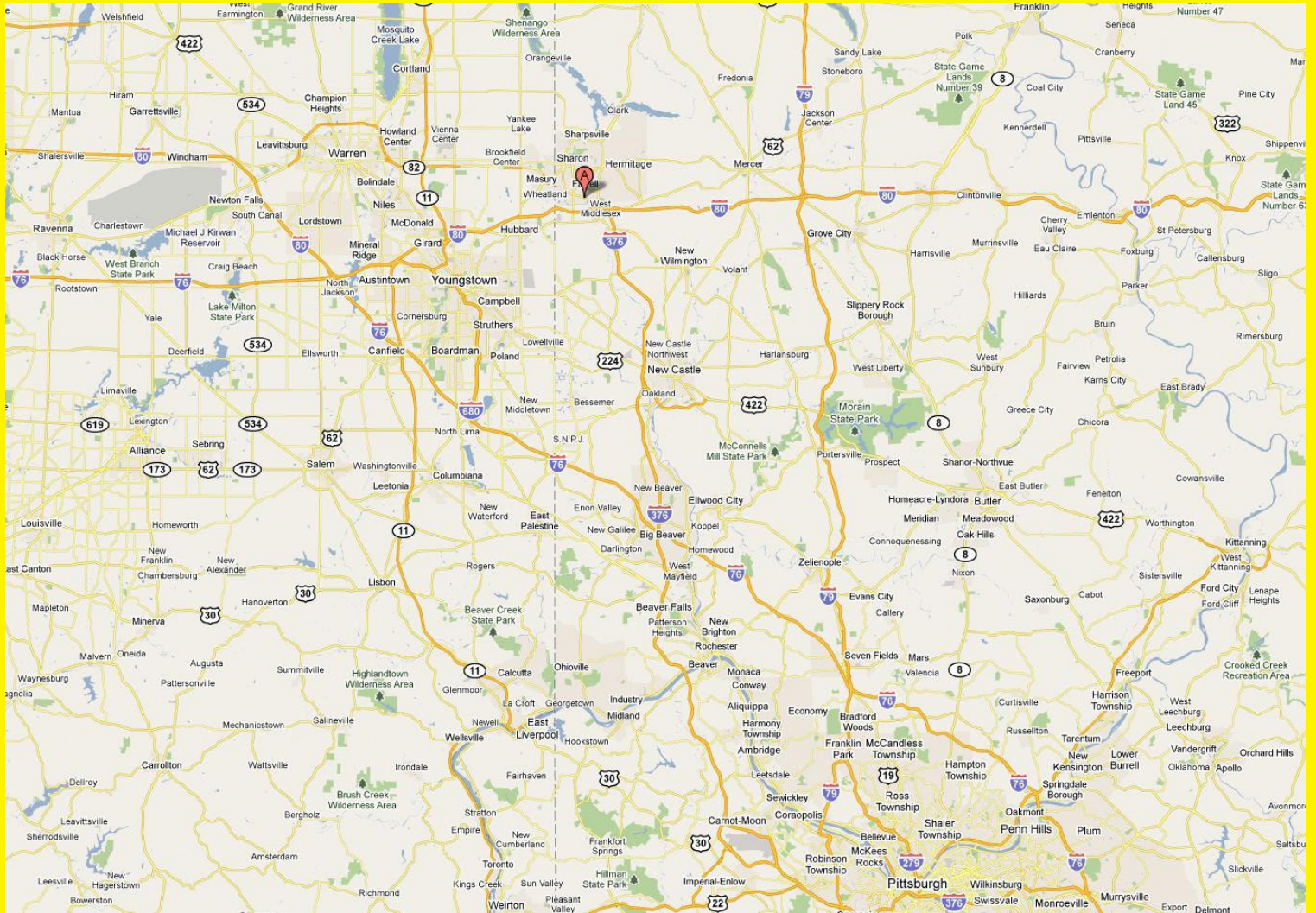
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# DIRECTIONS



## **From Erie, PA and Points North**

1-79 South to I-80 West towards Sharon

Exit 4B towards Sharon - Hermitage

Stay in left lane to merge onto PA – 760 North / Sharon

Follow PA- 760 North for 1.5 miles to Industrial Road on the left

## **From Pittsburgh International Airport and Points South**

I-376 West ramp towards Moon - Beaver - Cargo - PA Turnpike

Follow 376 West (*toll road, no cash*) for 55 miles and take PA 760 North (Sharon) for 1.5 miles

## **From Cleveland - Hopkins International Airport and Points East**

1-71 South to I-80 East Turnpike Exit I-80 / I-76 East Exit, Stay on I-80 E

Take Exit 4B Towards PA 18 - Sharon - Hermitage

Stay in the left lane to merge onto PA 760 North (Sharon)

Follow PA 760 for 1.5 miles to Industrial Road on the left

# COMPANY HISTORY

1983 – Solar Atmospheres was founded by our Chief Executive Officer, William R. Jones

1992 – Major expansion moving into a new 24,000 square foot building built specifically for vacuum heat treating and brazing

1998 – Established another 10,000 square foot plant in Hatfield, Pa devoted primarily to brazing and ion-nitriding

2001 – Opened a new facility, Solar Atmospheres of Western PA in Hermitage, Pennsylvania dedicated to large vacuum furnace processing – primarily for aerospace, titanium and electrical power generation components

2002 – Mr. Jones founded sister company, Solar Manufacturing, a producer of top of the line vacuum furnaces, designed to be the most energy efficient, cost effective, high performing, and technically advanced systems on the market

2002 – Acquired Magnetic Specialties company, a manufacturer of custom power supplies and transformers

2006 – Solar Atmospheres of Western PA installed its 2nd and 3rd 24 foot car bottom furnaces

2007 – Solar Atmospheres in Souderton, PA and Solar Manufacturing co-operated to design and install an advanced vacuum carburizing furnace which has since proven to provide the most excellent and repeatable carburizing results

2008 – Solar Atmospheres in Souderton, PA and Solar Manufacturing worked together to design and install a new vacuum gas nitriding furnace – this furnace fulfilled the design objectives and has shown results capable of reducing cycle times by more than 50% when compared to other nitriding equipment

2009 – In order to serve the growing aerospace market, Solar Atmospheres of Western PA increased its plant capacity to 70,000 square feet by adding an additional 20,000 square foot building to house a new 36 foot long car bottom furnace with load capacity of 150,000 pounds – this furnace is considered to be the world's largest commercial vacuum furnace

2011 – Opened a 25,000 square foot plant in Fontana, California, Solar Atmospheres of California, to bring a "Green Field" vacuum heat treating, vacuum brazing and vacuum carburizing facility to the West Coast, focusing on aerospace, titanium and super alloys

2015 – In May 2015, opened a 57,000 square foot facility, Solar Atmospheres Southeast, in Greenville, SC, focusing on the expanding aerospace development in the Southeast US.

## CAPABILITIES

60+ Vacuum Furnaces  
Furnaces from lab size to 48'  
Air Furnaces  
Cryogenic Freezers  
Annealing  
Hardening  
Degassing  
Normalizing  
Diffusion Bonding  
Solution Treating  
Hydriding & Dehydriding

Stress Relieving  
Vacuum Brazing  
Low Pressure Vacuum Carburizing  
Vacuum Gas Nitriding  
Tensile Testing  
Fluorescent Liquid Penetrant  
Sintering  
Graphite Coatings  
Cryogenic Processing  
Tempering  
R&D and Prototype Partnering





# POLICIES AND STANDARDS

## Security

Please carry photo identification while on site

The following items are prohibited:

- Firearms (loaded or unloaded)
- Explosives
- Incendiary devices
- Alcoholic beverages
- Ammunition
- Illegal drugs and paraphernalia



## Escorted & Badged Access

To assure compliance with the International Traffic in Arms Regulations (ITAR) and the Export Administration Regulations (EAR) - All visitors to Solar MUST present a valid driver's license or U.S. Passport to the Receptionist, fill in and sign the Visitor Affidavit form and sign the sign-in sheet. A badge will be handed to you by the Receptionist. This badge will either be unrestricted (GREEN) or restricted (ORANGE). All badges require an escort to be with you at all times. Please see below for the guidelines for each badge and the access it grants.



### **\*\*Unrestricted Access\*\***

If you are given a badge with unrestricted access you will be required to successfully complete the necessary training and in-processing activities. These activities may include security screening and classroom training. Access requirements are determined on an individual, as needed, basis. The badge must be displayed at all times on the upper portion of your body on the outer garment. Immediately report any lost badges to the Receptionist in the building.

### **\*\*Restricted Access\*\***

If you are given a badge with restricted access then you must wait in the lobby of the building. You will either remain in the lobby the whole time or wait till you are escorted to the conference room. Restricted access visitors may not under any circumstance enter the shop or lab areas. The badge must be displayed at all times on the upper portion of your body on the outer garment. Immediately report any lost badges to the Receptionist in the building.

# POLICIES AND STANDARDS

## Site Work Hours

Solar operates 24 hours a day, 7 days a week. However, most of the office is at Solar from 8am to 5pm. There are exceptions and visitors should check with the department they are going to be visiting to find out the specific hours for that department.

## Attire

Office: Office dress is business casual.



## Shop Rules and Regulations

Safety glasses will be provided and must be worn when in the shop area.

Open toed shoes are prohibited in the shop area.

Solar prohibits any eating and/or drinking in the shop or lab areas.

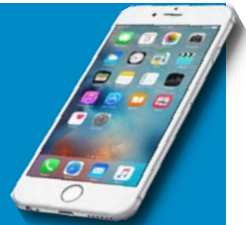
## Smoking Policy



Solar Atmospheres is a smoke free work place. Smoking is not permitted anywhere on Solar owned property—both inside or outside buildings

## Phone Usage

To call an extension from outside the company, dial 724-982-0660 and either press “0,” for the operator or the person’s four digit extension.



To call an extension from inside the company: Dial the four digit extension

To make a call to an outside company from within the company: Dial “9, 1” then the area code and the number you wish to reach.

## Camera Usage

The use of a camera is prohibited anywhere inside the Solar buildings, unless permitted by Solar Management. One may take photos outside the buildings.





# PLACES TO EAT

## **Applebee's**

201 South Hermitage Road  
Hermitage PA 16148  
724-342-3979

## **Bob Evan's**

115 South Hermitage Road  
Hermitage PA 16148  
724-342-7307

## **Combine Brothers**

2376 South Hermitage Road  
Hermitage PA 16148  
724-983-1057

## **Hickory Grille**

1645 North Hermitage Road  
Hermitage PA 16148  
724-962-1775

## **Middlesex Diner**

3462 Sharon Road West  
Middlesex PA 16159  
724-528-9381

## **Toss'd Italian Bar & Grill**

3640 E. State Street  
Hermitage PA 16148  
724-308-6220

## **Red Lobster**

3370 Shenango Valley Freeway  
Hermitage PA 16148  
724-342-1788

## **Quaker Steak And Lube**

101 Chestnut Avenue  
Sharon PA 16146  
724-981-9464



# PLACES TO STAY



## **Hampton Inn 1.8 Mi**

*Corporate Rate Available*

**ID# 0002762525**

**58 Winner Lane**

**West Middlesex, PA 16159**

**724-528-3030**

## **Holiday Inn Express 1.7 Mi**

*Corporate Rate Available*

**ID# 100292071**

**3060 Spangler Road**

**West Middlesex PA 16125**

**724-982-4600**

