

# Clean Rooms



**DESIGN + BUILD**  
**EXPERT IN**  
**MEXICO**

ON TIME, ON BUDGET, GUARANTEED



## "One Stop Service" in Mexico

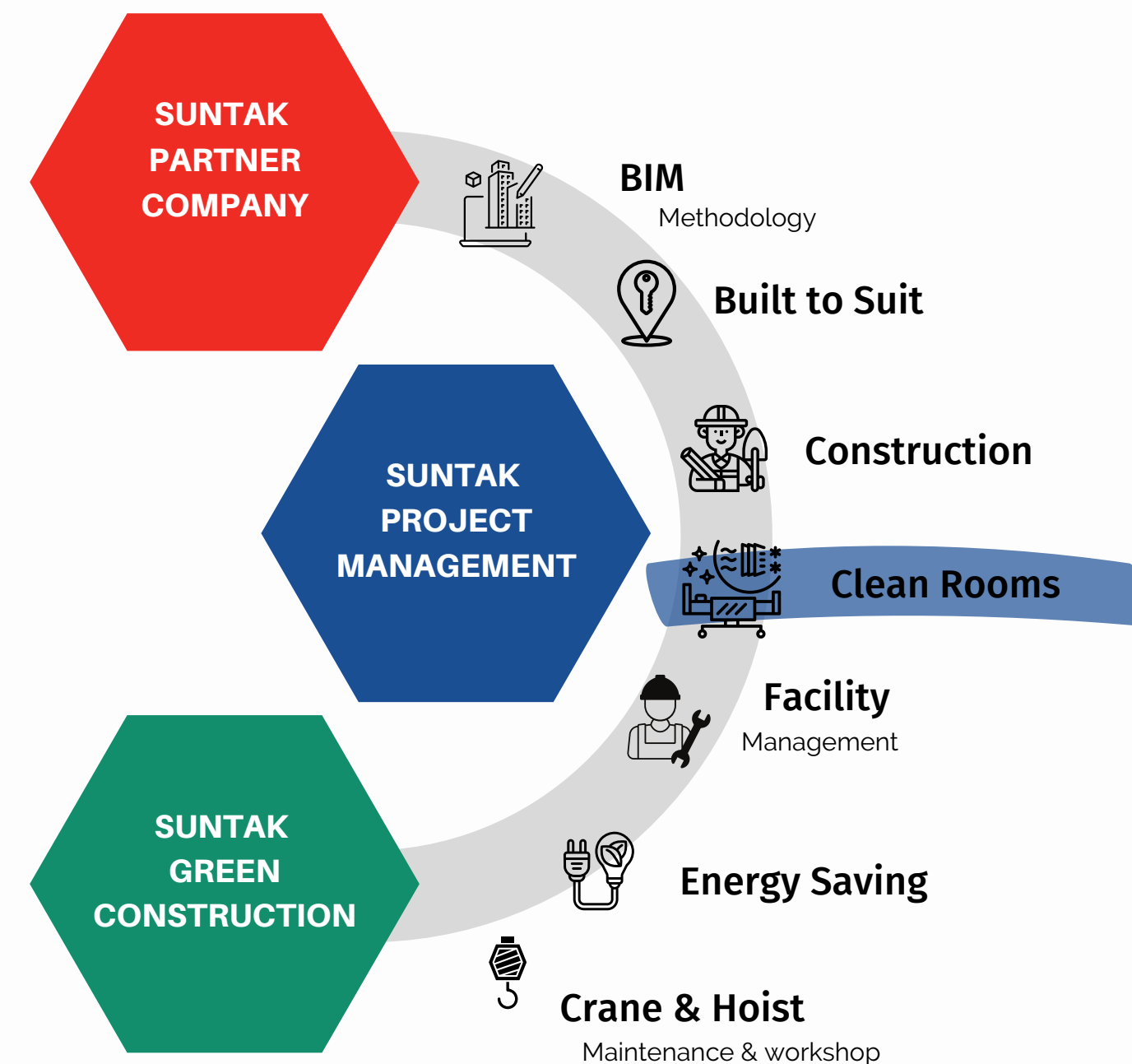
We work as a Design - Build contractor specializes in high quality industrial and commercial buildings, we also offer complementary services, such as construction procedures, support for maintenance, and energy saving technologies.

### Features

- Our founding members have over 20 years of experience in the construction industry with reputable expertise.
- Our In-house Design & Engineering team allows for schedule reduction, quality assurance, and on-site management.
- Our major strength is that we offer "Japanese Quality and Services with Mexican costs" and direct procurement of materials & equipment.

### We support your project

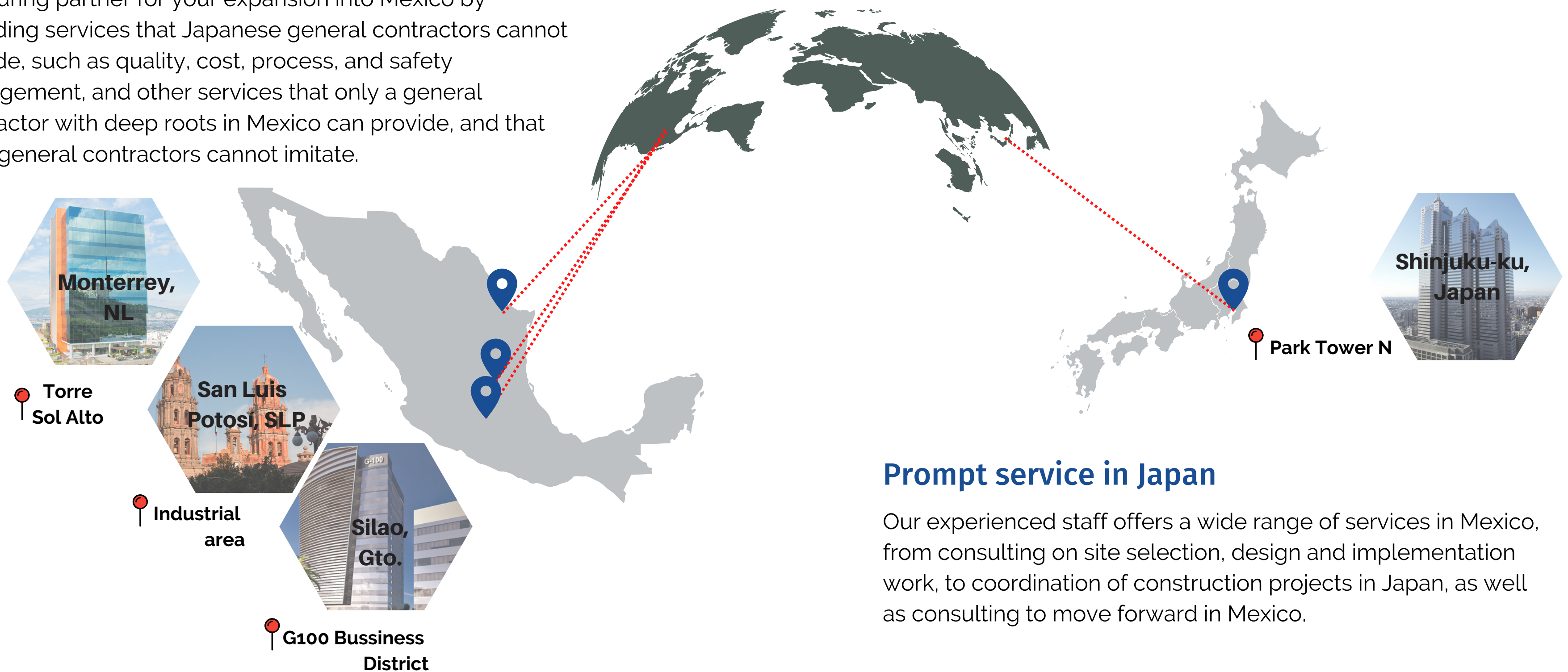
Since our foundation in 1999, we have been dedicated to turnkey projects including the needs of clean rooms. Sunktak in its 20 years of experience challenges with its designs and engineering the desired classification of our customers to create these clean rooms.



# Locations

## Full local service

Our Japanese team is well versed in Mexican and Japanese culture, and our project management team has a long track record of construction projects in Mexico. We will be a reassuring partner for your expansion into Mexico by providing services that Japanese general contractors cannot provide, such as quality, cost, process, and safety management, and other services that only a general contractor with deep roots in Mexico can provide, and that local general contractors cannot imitate.



## Prompt service in Japan

Our experienced staff offers a wide range of services in Mexico, from consulting on site selection, design and implementation work, to coordination of construction projects in Japan, as well as consulting to move forward in Mexico.

# Clean Rooms

Clean rooms are designed for use in advanced industries; their main function is to minimize dust particles, microbes, aerosols and chemical vapors, which are common factors in factories.

The "clean rooms" are work areas where activities are carried out under a rigorous environmental control, such as:

- Temperature
- Humidity
- Electrostatic Discharge (ESD)
- Pressure
- Ambient particles

They are known as **HEPA** and **ULPA** clean rooms which "block" the entry of a large amount of particles through high efficiency filtering systems.



# Clean Rooms

Clean rooms must be completely isolated from the surrounding environment, which is achieved by means of pressurization systems and the construction structure.

Clean rooms are applied in different productive sectors:

- **Electronics industry.** Manufacturing of semiconductors, storage devices and screens.
- **Medical and pharmaceutical industry.** Manufacturing and packaging of medicines or medical supplies; operating and diagnostic rooms, and laboratories for biotechnology research and development of new drugs.
- **Food industry.** Food processing and packaging.
- **Automotive industry.** Painting booths and modules.
- **Aerospace industry.** Satellite manufacturing.
- **Optics/laser industry.**
- **Advanced materials research.**



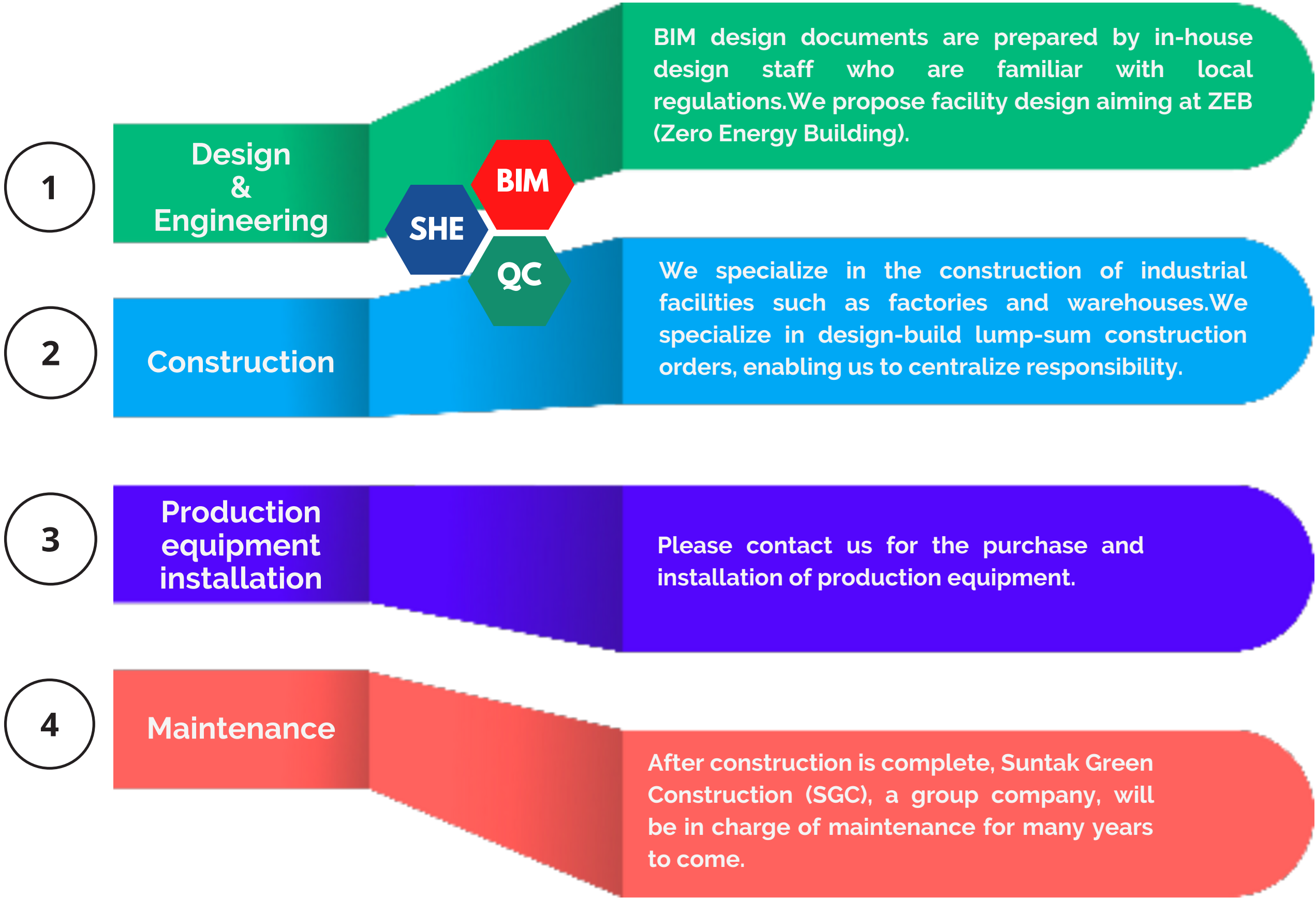
Class	Particles ≤ 0.1 microns	Particles ≤ 0.5 microns	Particles ≤ 5 microns
ISO 1	10		
ISO 2	100	4	
ISO 3	1,000	35	
ISO 4	10,000	352	
ISO 5	100,000	3,520	29
ISO 6	1,000,000	35,200	293
ISO 7		352,000	2,930
ISO 8		3,520,000	29,300
ISO 9		35,200,000	293,000

## ISO clean room classification

The ISO protocol defines the maximum number of suspended particles smaller than one micron (one millionth of a meter) and up to 5 microns. This is **measured in units of air volume expressed in particles per cubic meter (part/m<sup>3</sup>).**

Thus, the lower the number in the ISO classification of the cleanroom, the lower the amount of suspended particles of a certain size that will be inside it.

# Project Support





**DENSO**  
Apodaca, NL.



**Suntak Project Management**

**Clean Room Works**

**Area: 175 m2**

**Class: 100,000**





**CLARION**  
Queretaro, Qro.



**Suntak Project Management**



Clean Room Works  
Area: 1,660 m<sup>2</sup>  
Class: 100,000





**NIDEC TOSOK**  
San Luis Potosí, SLP



**Suntak Project Management**



Clean Room Works  
Area: 3,500 m<sup>2</sup>  
Class: 100,000

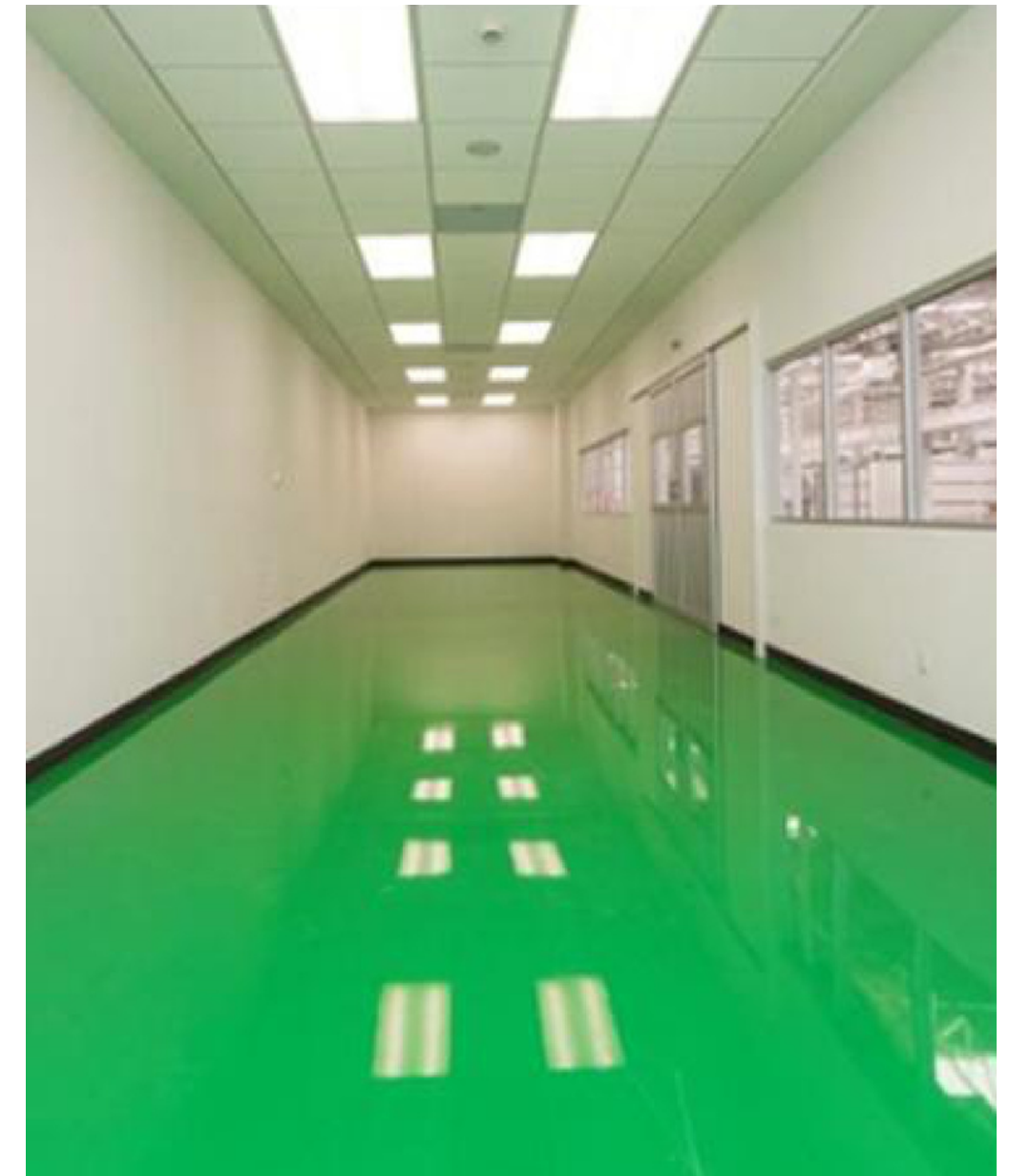




**NIDEC SANKYO**  
San Luis Potosí, SLP



Clean Room Works  
Area: 890 m2  
Semi-Clean Room





**AGC**

San Luis Potosí, SLP



**Suntak Project Management**



Clean Room Works  
Area: 1,500 m<sup>2</sup>  
Class: 10,000





**MUTSUTECH**

Cienega de Flores, NL



**Suntak Project Management**

Clean Room Works  
Area: 700 m<sup>2</sup>  
Class: 100,000





**MUTSUTECH**  
Cienega de Flores, NL



**ESD Floor**  
Certification 2023.



**Suntak Project Management**





**SANRITZ**  
Tijuana, BC



**Suntak Project Management**



Clean Room Works  
Area: 7,000 m<sup>2</sup>  
Class: 10,000





**SHINETSU**  
Reynosa, Tamps.



**Suntak Project Management**



Clean Room Works  
Area: 1,750 m<sup>2</sup>  
Class: 100,000

