



# BHS

*A Connected World, Delivered.*



## Precision Across Every Service

At B H S, Precision ensures equipment is moved safely, stored securely, installed accurately, transported reliably, and planned with confidence.

### Truck-IT – Precision on the Move

- Customised fleet for high-value and sensitive cargo
- Air-ride and temperature-controlled units for safe handling
- Subscription-based or ad-hoc trucking options



### Build-IT – Precision in Complex Installations

- Installation and decommissioning of photo-lithography systems
- Expertise in Automated Material Handling Systems (AMHS)
- Trusted to deliver projects in cleanroom environments worldwide



### Move-IT – Precision in Every Lift

- Rigging and relocation for advanced manufacturing equipment
- Surveys and planning before every bespoke move
- Handling of single tools to full production lines



### Pack-IT – Precision That Protects

- Export-ready crating for sea and air shipments
- Multi-layer protection against vibration, impact, and moisture
- Packaging support for overseas transfers, pre-installations, and post-decommissioning



### Store-IT – Precision in Readiness

- Secure warehousing to bridge transport, relocation, and installation
- ISO Class 6 cleanroom for testing, assembly, and preparation
- Climate- and humidity-controlled storage for sensitive tools



### Twin-IT – Precision in Digital Planning

- Digital twins that replicate facilities and tools with accuracy
- 3D scanning for reliable layout and planning
- Datum marking transferred precisely from design to floor



# WHO IS B H S?

Companies choose B H S for one reason: Precision in our delivery of projects. It defines how we truck, store, and move sensitive cargo safely and on time.

Our unique services include the installation of high-value photolithography machines and automated systems, carried out with precise methodologies.

# BHS

# 50

YEARS  
SINCE 1975



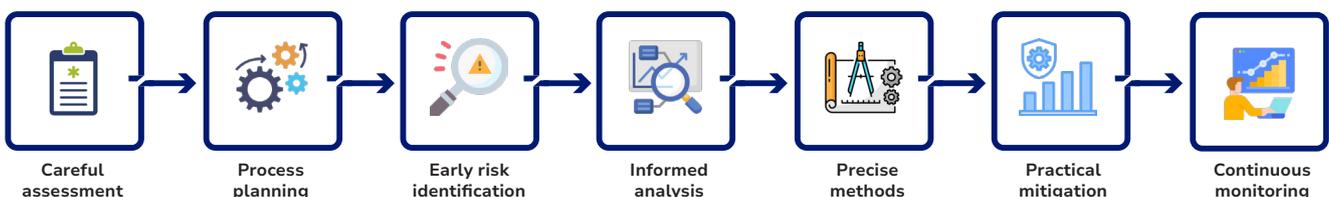
## OUR SOLUTIONS

- Bespoke customised solutions tailored to all technical aspects of the project.
- Trusted partner for moving high-value, sensitive cargo.
- We innovate to deliver detailed solutions with Precision-led methodologies.

**De-risking  
our customers'  
business :  
Our solutions**



## Mitigating your Risk through our Approach.



# OUR SOLUTIONS

- Precision in tailoring solutions to each customer's needs
- Trusted partner for moving high-value, sensitive cargo



## PROVEN PRECISION FOR OUR CUSTOMERS

### National Infrastructure & Transport

- First to install a bridge for Singapore's MRT system at Jurong East
- First approved for airside tarmac transfers

### Semiconductor Leadership

- First to build a 12-inch Fab AMHS system
- First to deploy roller-bed trailers for the semiconductor and aviation industries
- First to handle 300mm wafer transportation and rigging
- First to transfer datum marking from AutoCAD to the factory floor
- First to digitise a fab floor, enabling a digital twin

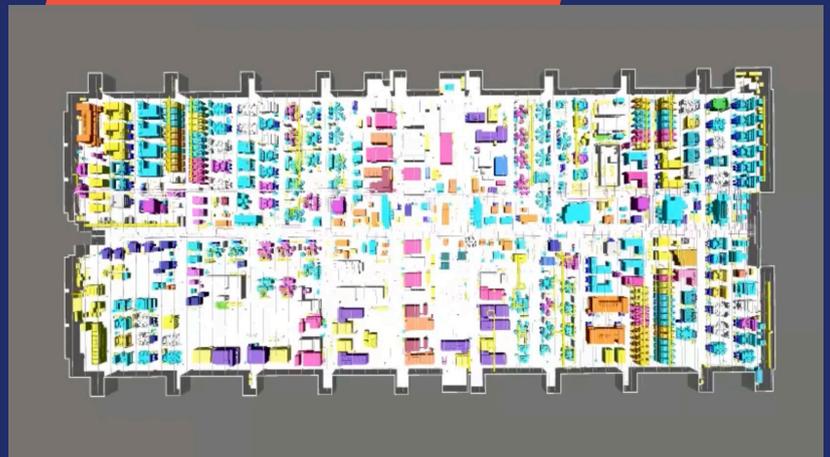
### Sensitive Cargo Handling

- First entrusted to transport China's national treasures, giant pandas Jia Jia and Kai Kai, during their loan to Singapore

### Introduction to B H S



### Creation of a Digital Twin



# FLEET SIZE BUILT FOR PRECISION

- More than 70 Prime Movers
- Close to 100 Air Ride Containers
- More than 10 Air Ride Temperature-Controlled Containers
- More than 30 Tail-Gated Lorries (24' / 17' / 14' / 10')



**BHS**  
TRUCK-IT

**PRECISION THAT  
DELIVERS PEACE OF MIND**

## PROFESSIONALLY CUSTOMISED TRANSPORT FLEET

B H S delivers **Precision** across every mile. Our fleet supports first and last mile movements from air and sea terminals to customer locations, including cross-border routes into new markets. We specialise in moving high-value and highly sensitive cargo safely, securely, and on schedule.

When customers choose our trucking services, they also have the option of warehousing and move-in or move-out support, as required, because B H S is a full-service provider.

In addition to ad-hoc transport, we also offer subscription-based trucking services to meet ongoing customer needs. Every project is engineered for Precision, with site surveys, what-if scenarios, and simulations carried out before work begins.



## Our Trucking capabilities include:

- First and last mile transport from air and sea terminals
- Air-ride and temperature-controlled units for sensitive cargo
- Tail-gated lorries in multiple sizes for flexible handling
- Subscription-based trucking services
- Optional warehousing and move-in/move-out support

# PRECISION ENVIRONMENTAL SOLUTIONS

- ISO Class 6 cleanroom ready for testing, assembly and training
- 160,000+ sq. ft. climate - and humidity-controlled storage
- 24/7 monitored facilities with STP and ZG certifications
- More than 25 loading bays for efficient flows
- Forklifts up to 27 tonnes for varied cargo handling
- Ambient and specialised storage with engineering support utilities



**B  
H  
S**  
MOVE

**BHS**  
STORE-IT

**SAFE & SECURE**



## PRECISION WAREHOUSING SOLUTIONS

B H S delivers Precision in warehousing by combining safety, security, and readiness. With more than 27 years of experience, we ensure high-value and sensitive cargo is stored with care and always transport-ready. Our team manages every detail so customers can count on accurate indexing, strict schedules, and reliable handling.

Our facilities include climate- and humidity-controlled storage alongside ambient storage options. With more than 200,000 square feet of space, we support industries that require both scale and precision, including technical needs such as nitrogen and compressed air supply for specialised equipment.

Security and compliance are integral to Precision. Our warehouses are monitored 24/7 by CCTV, supported by STP (Secure Trade Partnership) and ZG (Zero GST) certifications, and equipped with heavy-duty forklifts to handle diverse cargo safely.



With a ISO Class 6 cleanroom on our Singapore premises we configure and customise space to meet the strictest technical specifications. This facility is also available for customers to rent for training, testing, and preparation.

# SATISFIED CUSTOMERS THROUGH PRECISION DELIVERY

Before each project, we carry out detailed surveys to design the safest and most efficient plan. No two projects are alike, and every solution is tailored to the site, the equipment, and the customer's requirements.



**BHS**  
MOVE-IT

**DONE RIGHT  
WITH PRECISION**

## PROFESSIONAL HANDLING, RIGGING, MOVE-IN AND RELOCATION SERVICES

B H S delivers Precision in every move-in and relocation.

Before each project, we carry out detailed surveys to design the safest and most efficient plan. No two projects are alike, and every solution is tailored to the site, the equipment, and the customer's requirements.

When entire production lines are being relocated, we coordinate with our trucking, warehousing, and rigging services. Customers leave the scheduling and resource management to us, confident they have a full-service provider applying Precision across the entire process.

Our teams combine technical training, engineering expertise, and specialised equipment to handle high-value tools and machinery with accuracy and care. From high-tech to advanced manufacturing environments, we provide professional rigging and relocation services that customers trust to be safe, precise, and on schedule.



### Our Move Capabilities include:

- High-value tool and equipment handling
- Production lines relocations
- Rigging in high-tech and advanced manufacturing environments
- Coordination across trucking, warehousing, and installation services



# BUILD-IT: PRECISION IN PHOTOLITHOGRAPHY AND AMHS INSTALLATIONS

- Experts in photolithography tool installation and decommissioning
- Specialists in Automated Material Handling System (AMHS) installations
- Trusted by fabs in 12+ countries worldwide



**BHS**  
BUILD-IT

**GLOBAL PRECISION**

## IN ADVANCED EQUIPMENT ASSEMBLY, INSTALLATION AND DECOMMISSIONING

Since 2013, our Build-IT team has specialised in the installation and decommissioning of photolithography systems, among the most advanced and expensive machines in the semiconductor industry. These tools, which operate in the ultraviolet spectrum to print the smallest features of microchips, demand exceptional skill and the strictest cleanroom Precision. Customers around the world trust B H S engineers and technicians to handle these high-value, highly sensitive machines safely and accurately.

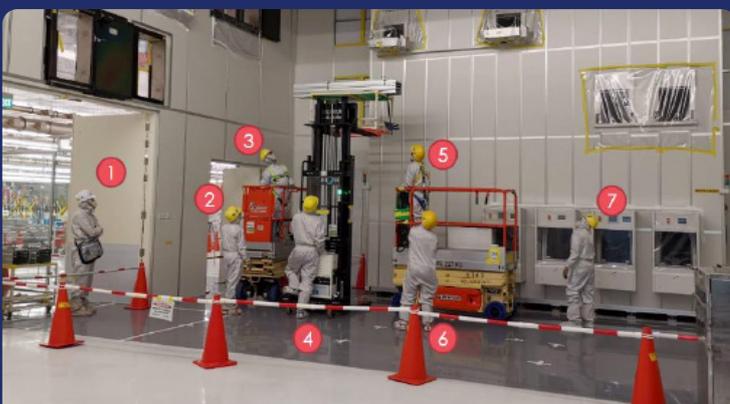
Alongside photolithography tools, our expertise extends to Automated Material Handling Systems (AMHS), where Precision ensures that factories achieve continuous, efficient, and safe operations. Our engineers and technicians manage every stage of AMHS installation, from factory control points and OHT track layout to tool alignment. Using 3D laser scanning, point cloud processing, and BIM modelling, we create digital twins that support installation, maintenance, and lifecycle management.

With projects delivered in more than 12 countries, B H S Build-IT is trusted worldwide to execute complex installations that reduce risk, improve efficiency, and safeguard quality.



## Our global Build-IT capabilities include:

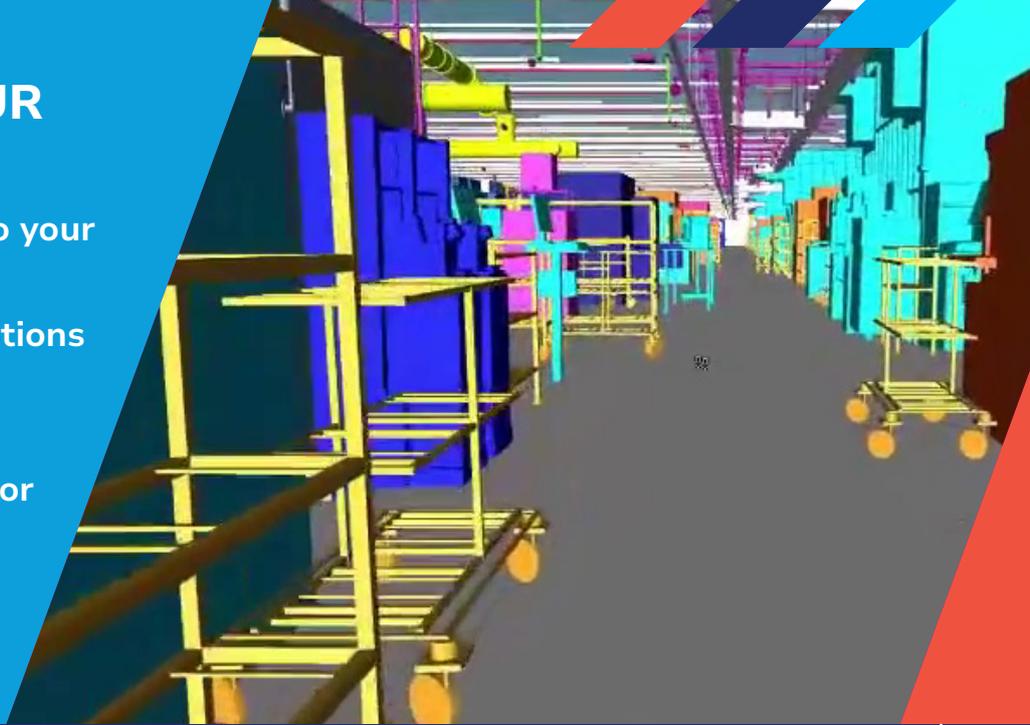
- Mechanical installation and set-up of advanced manufacturing tools
- Installation and decommissioning of photolithography systems
- Integration of automated material handling systems (AMHS)
- Pre-installation services including piping and instrumentation
- Experience delivering projects in 12+ countries



# YOUR FACILITY, YOUR CHALLENGES

As Industry 4.0 evolves, so do your facility planning challenges:

- Avoiding production disruptions
- Ensuring precision in automation integration
- Providing a unified layout for teams to collaborate
- Running simulations to make informed decisions



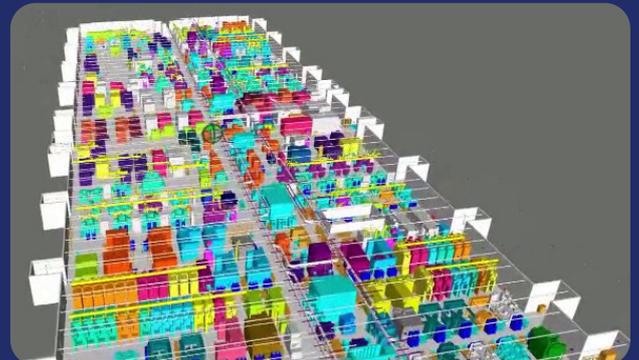
**BHS**  
TWIN-IT

**DIGITIZE. MODEL. OPTIMIZE.**

## TWIN-IT: PRECISION IN DIGITAL FACTORY MAPPING

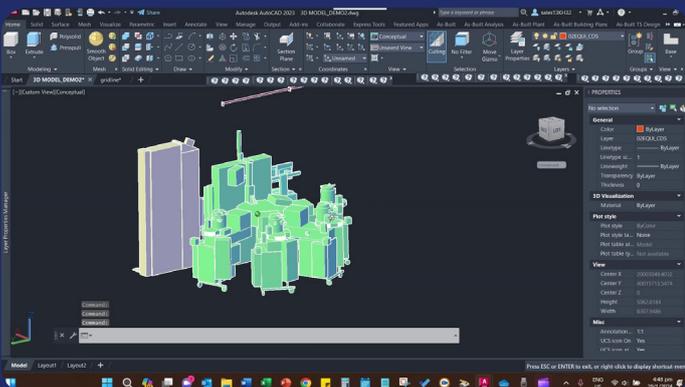
Twin-IT is a new capability from B H S, bringing Precision into the digital planning space. Using advanced 3D scanning and datum marking, we create accurate digital twins of factories to support smarter layouts, workflow optimisation, and preparation for automation.

Already proven in selected projects, Twin-IT gives customers a reliable foundation for planning. Interactive models allow collaboration across teams, reduce costly trial-and-error, and eliminate downtime during layout changes. With Precision, customers can plan expansions, integrate robotics, and prepare confidently for Industry 4.0.



### Our Twin-IT capabilities include:

- Datum marking and high-precision 3D mapping (up to 2mm accuracy)
- Interactive digital twins for facility planning
- Layout simulations without production downtime
- Collaborative planning across design, operations, and management
- Optimisation for automation and robotics integration
- Scalable planning for future growth



# LAYERS OF PROTECTION

- Rigid crating with internal blocking
- Cushioning to absorb shocks and vibration
- Moisture and humidity control
- Barriers against environmental damage



**BHS**  
PACK-IT

**PRECISION THAT PROTECTS**

Pack-IT delivers Precision in export packaging. We design and build crating for high-value, sensitive machines to withstand the rigours of air and sea transport.

Our engineers customise every solution, whether decommissioning tools for overseas transfer or preparing new machines for export. Each package controls vibration, impact, and humidity, and meets international standards.

Trusted by global manufacturers, Pack-IT gives confidence that every shipment arrives safe, secure, and ready for use.



## Our Pack-IT capabilities include:

- Export-ready crating for sea and air shipments
- Packaging support for machine decommissioning and overseas transfers
- Custom designs for oversized or complex machinery
- Vibration and impact control systems for sensitive cargo
- Humidity and climate-protection solutions

# KEY OPERATIONAL ACHIEVEMENTS FOR 2024

Close to **3 million kilometers** travelled – safely driven.



We circle the Earth nearly 75 times!

## TRUCK-IT

## STORE-IT

Managing more than **200,000 sqft** of warehouse space.

2.7 football fields worth of high value cargo.



Successfully handled **>110,000** cubic meters of relocations.



1,640 fully loaded 40 foot containers.

## MOVE-IT

## QUALITY

**Service Level Agreement (SLA)**

Maintaining a reliable uptime of **>95%**, reflecting our commitment to operational excellence

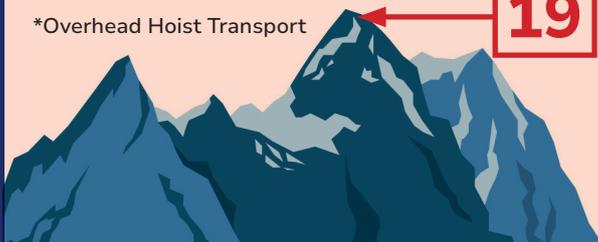
**>95%**



Installed 164 km of OHT\* track in cleanrooms – **enough to circle Singapore 3 times or scale 19 Mount Everests.**

\*Overhead Hoist Transport

**19**



Installed 56 photolithography machines in 12 countries – each weighing up to **100 tons**, assembled with precision equivalent to a Swiss watch.

**50 to 100 tonnes**



## BUILD-IT

# THE B H S ADVANTAGE

## Precision You Can Rely On



ISO9001  
ACCREDITED COMPANY



ISO14001  
ACCREDITED COMPANY



ISO45001  
COMPLIANT



QUALITY MGMT  
SYSTEM CERTIFIED



ISO 27001  
COMPLIANT



STP  
COMPLIANT

## OUR GLOBAL FOOTPRINT

B H S is extending Precision worldwide. To support our customers, we have expanded beyond Singapore into Malaysia, North America, and Europe, supporting multinational customers wherever they grow.

Our presence across regions allows customers in semiconductors, advanced manufacturing, and high-tech industries to rely on one service provider with consistent standards and proven risk management, delivered with the same Precision in every market.



### List of B H S locations around the world.

#### B H S China

**B H S KINETIC (Shanghai) Co., Ltd.**  
博华盛精密设备(上海)有限公司  
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✉ Sales-cn@bhs.global

#### B H S Malaysia

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