

The logo for SIBRE, featuring the word "SIBRE" in a bold, black, sans-serif font. To the right of the text is a blue, curved rectangular shape. The entire logo is enclosed within a thin blue circular outline.

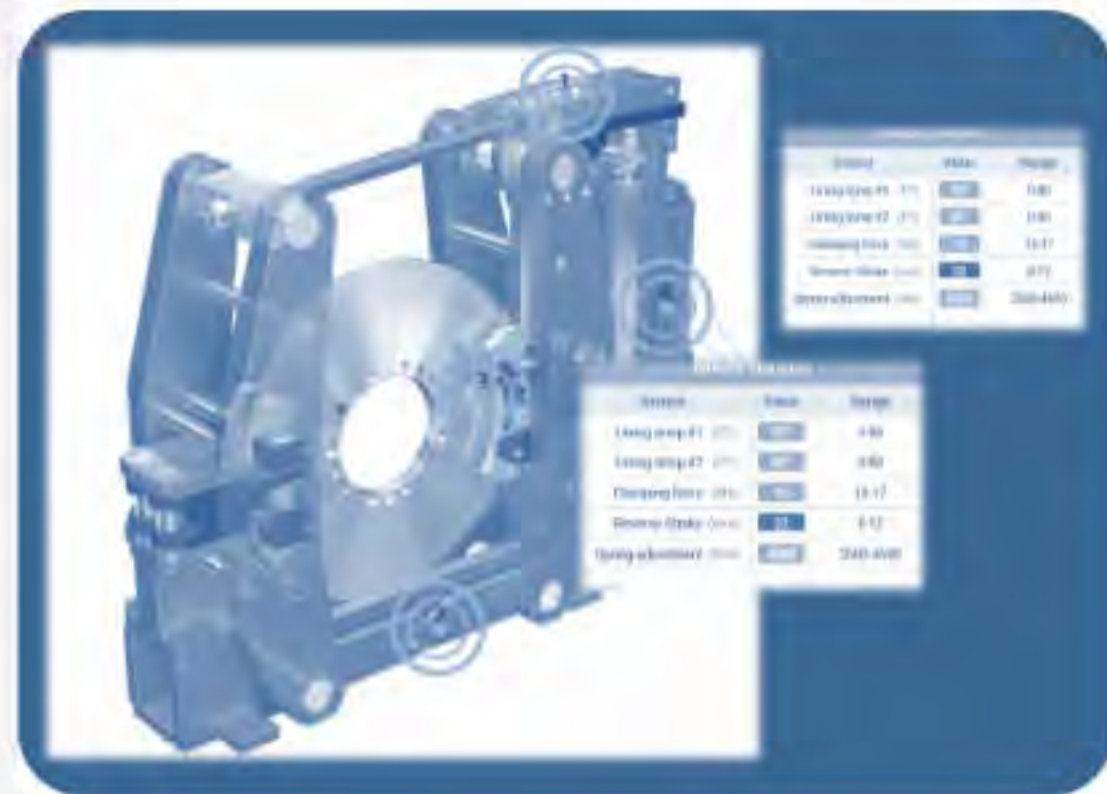
**SIBRE**

# The Merging Worlds of Brakes & Technology



SMART

# SIBRE



## STATE OF THE ART BRAKING

# MONITORING



**BRAKE MONITORING  
FROM ANYWHERE IN THE WORLD**

# ANALYSIS



**ALARMS  
STATISTICS  
REPORTS  
MAINTENANCE GUIDE  
and much more...**

# REMOTE



WEB & MOBILE  
REMOTE ACCESS

# TECHNOLOGY



**HIGH-END HARDWARE &  
BIG DATA CLOUD COMPUTING**



# SMART

SIBRE



MONITORING



ANALYSIS



REMOTE



TECHNOLOGY

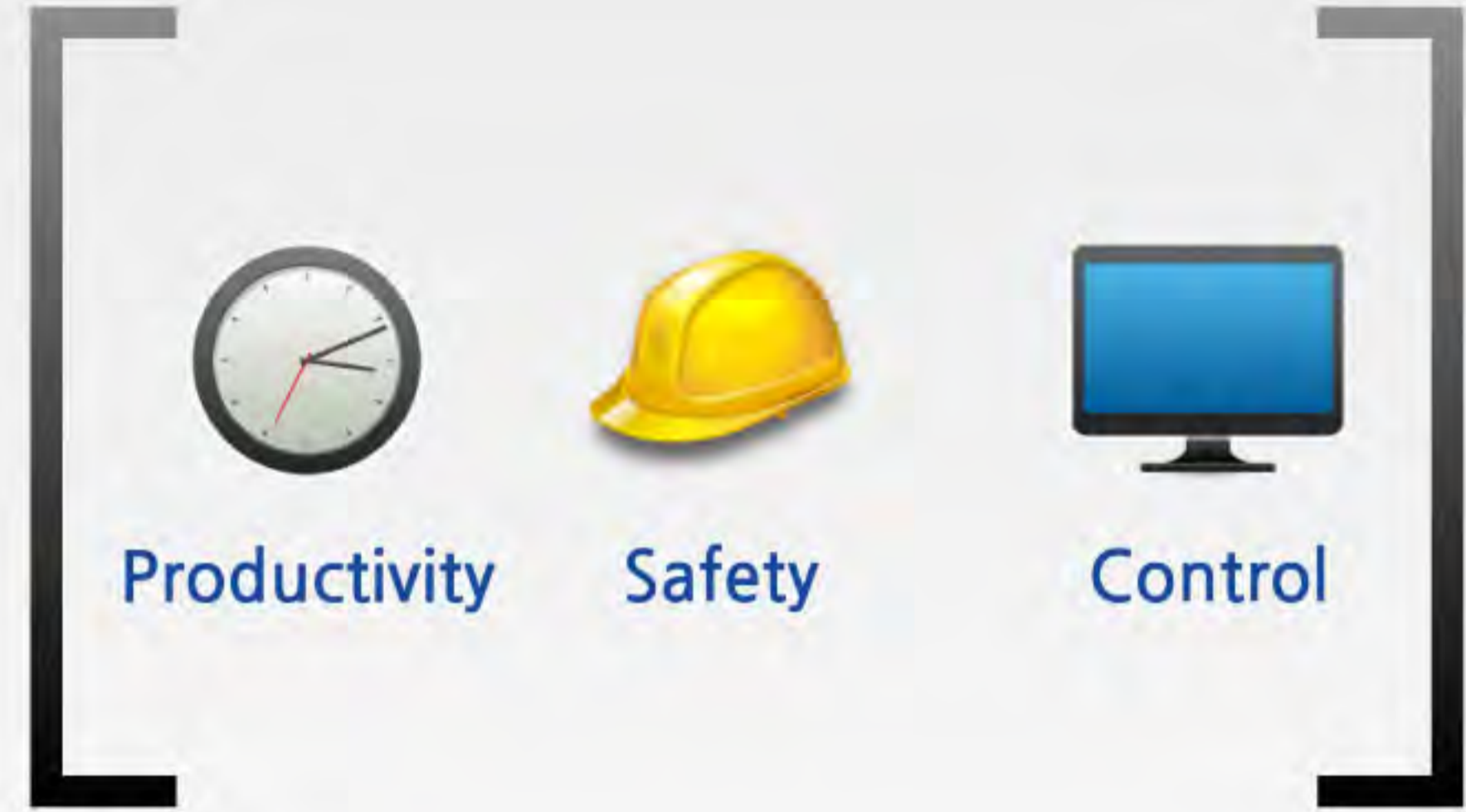




Reduce  
unplanned  
downtime

Supervise brake  
equipment with  
less staff

# SMART BENEFITS



Preventive  
action

Optimize the  
deployment of  
maintenance  
teams

# PRODUCT





**SDT**

Sensor Data Transducer

# SDT



1 x brake

Process up to 20 sensor signals



Transmitted to SMT through SIBRE bus



**SMT**

**Smart Monitor Terminal**

# SMT



1x Crane

Touch screen to monitor all sensors

Transmits to SMART Server / Cloud



**SMART  
Server**

# SERVER



**1x Terminal**

**Web base software**

**24/365 access**





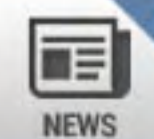
Google



MENU

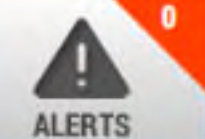


DATA VIEW



NEWS

3



ALERTS

0



WARNINGS

0



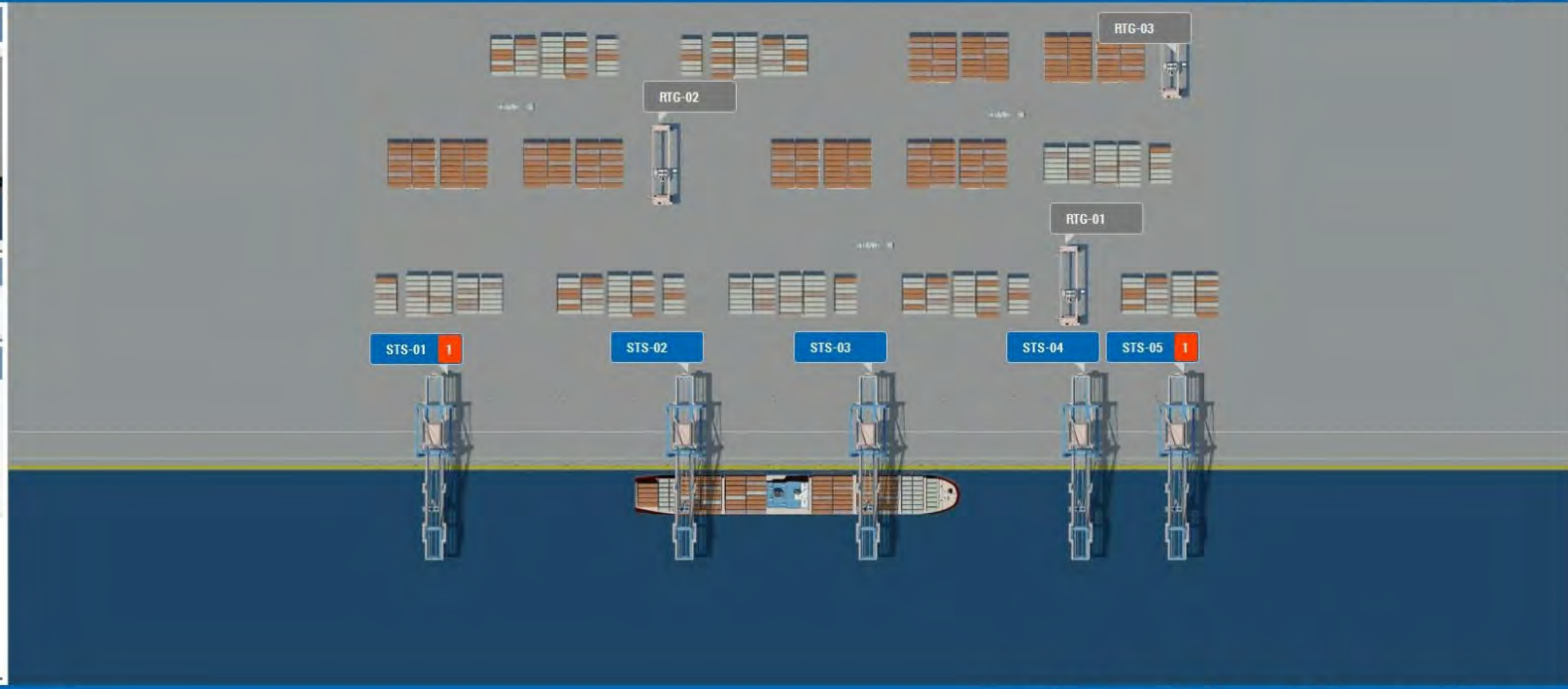
USER MANUAL

### TERMINAL 01



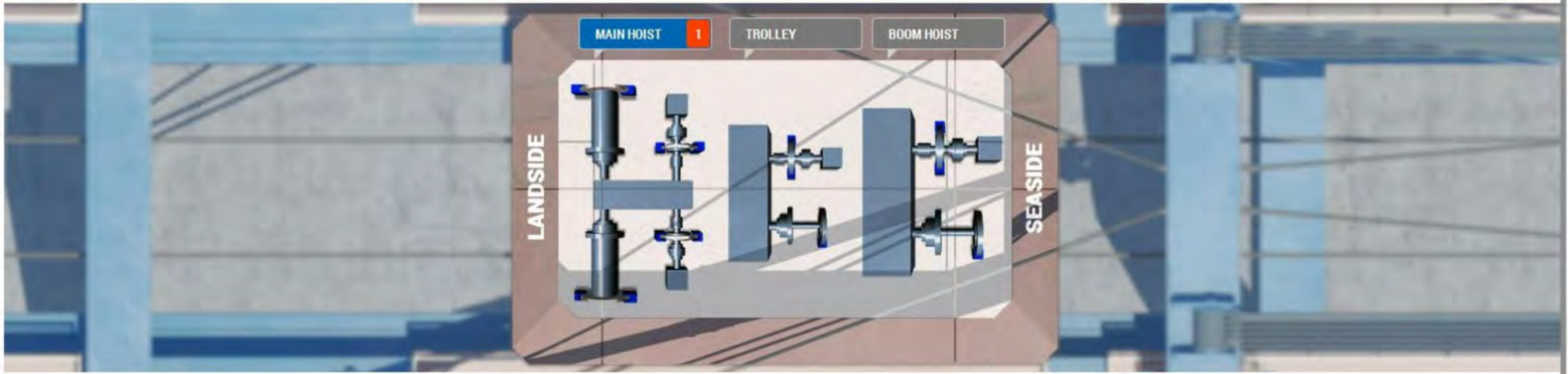
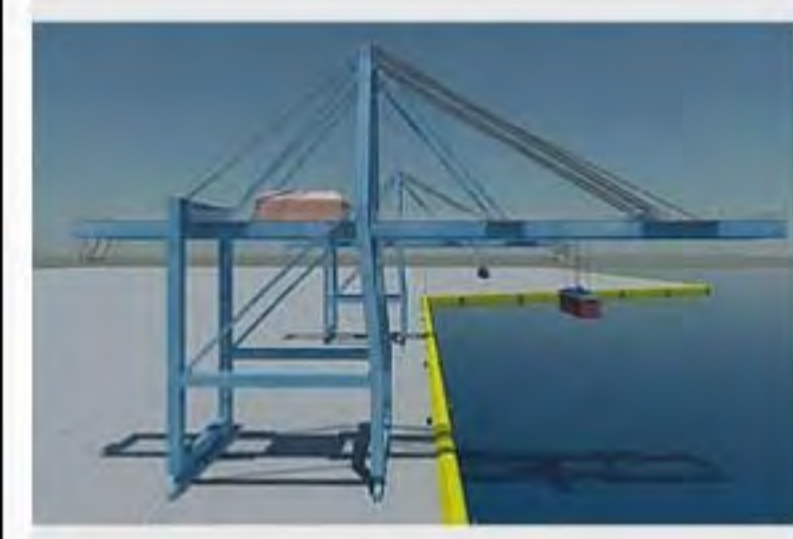
TASKS	ALERTS
3	2

GENERAL DATA	
TERMINAL	Terminal 01
OPERATOR	Sibre
ADDRESS	Actriz Amelia de la Torre, 3 - MÁLAGA
LOCAL TIME	27.06.2014 11:55



CRANE: STS-01

MACHINERY HOUSE



TASKS	ALERTS
3	1

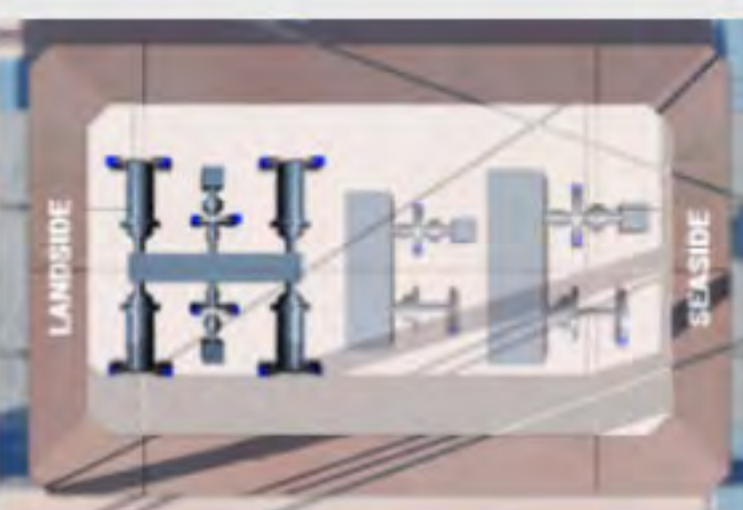
GENERAL DATA	
CRANE	STS 1
MANUFACTURER	ZCS
SIBRE BRAKES QTY	8

GANTRY



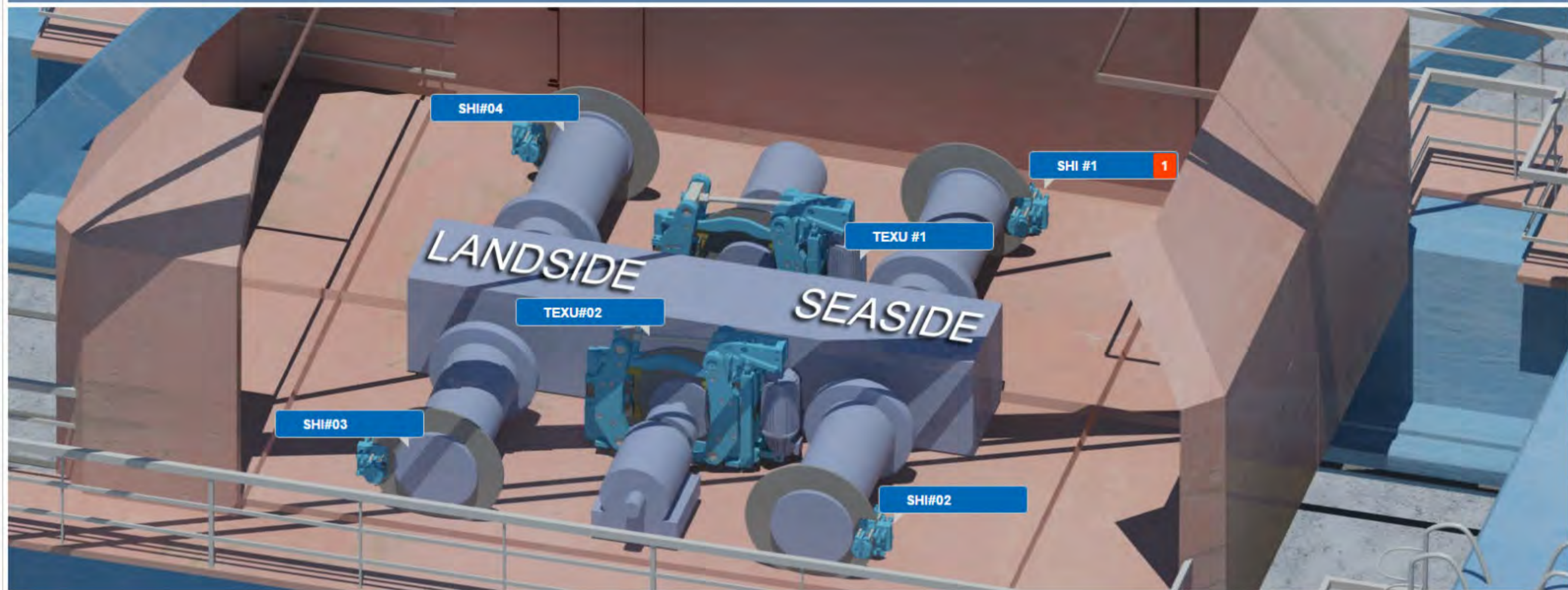
MAIN HOIST

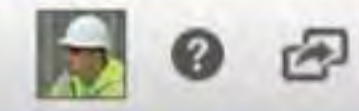
SYSTEM VIEW



BRAKES ALERTS		BRAKES WARNING S	
1	1	0	0

GENERAL DATA	
LOCATION	Machinery House
SIBRE BRAKES QTY	6





BRAKE: USB-3-III



BRAKE MONITORING

BRAKE MAINTENANCE

DIGITAL SENSORS	
Sensor	Value
Brake Open	NO
Pad wear limit	OK
Manual release	OFF
Brake close	YES

ANALOG SENSORS		
Sensor	Value	Range
Lining temp #1 (C°)	32°	0-80
Lining temp #2 (C°)	30°	0-80
Clamping force (kN)	16	15-17
Reverse Stroke (mm)	22	8-12
Spring adjustment (Nm)	4000	3500-4500

CALCULATED SENSORS		
Sensor	Value	Range
Total operation	200561	
Operations per hour (c/h)	40	0-200
Operation rating (%)	60	0-80
Operations lining	200561	0-4M
Operations spring	200561	0-2M
Operations bushing	200561	0-4M

TASKS	ALERTS
3	1

- MANUALS
- TECHNICAL DATA
- DOCUMENTATION

LIVE HISTORY

Zoom 1M 5M All



# PRODUCT



# SIBRE CLOUD



# SERVICE



# PRODUCT





# SMART - CURRENT PROJECTS



MORE THAN 50 CRANES IN 1 YEAR

# CERTIFICATIONS



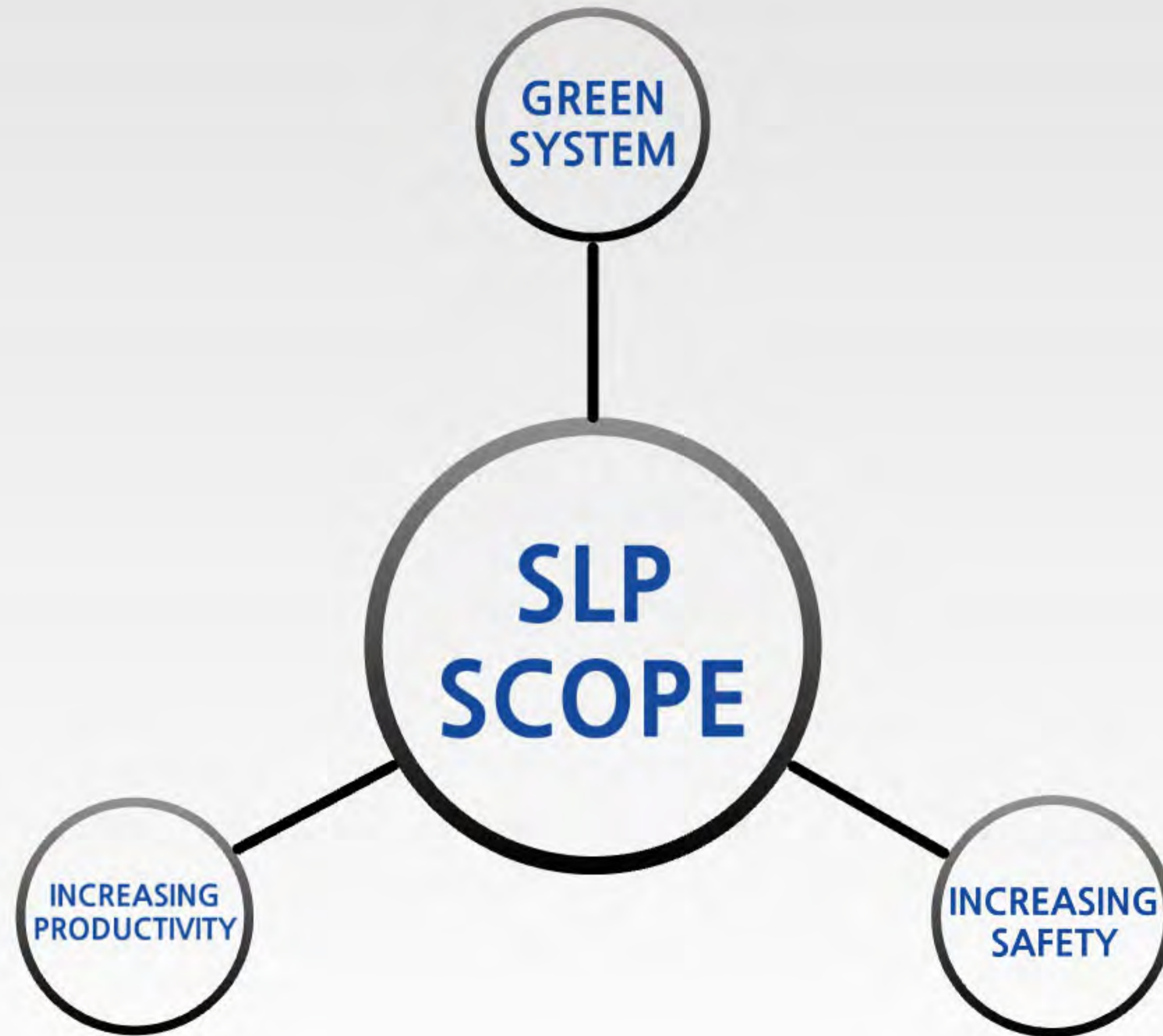
Non-substantial  
modification of machines

**SIBRE SMART not only keeps CE certification of the machine where it is installed, but also increases the safety and reability of the machine.**

acc. i9s - Industrial Safety Engineering



**SLP**  
SNAG LOAD PROTECTION

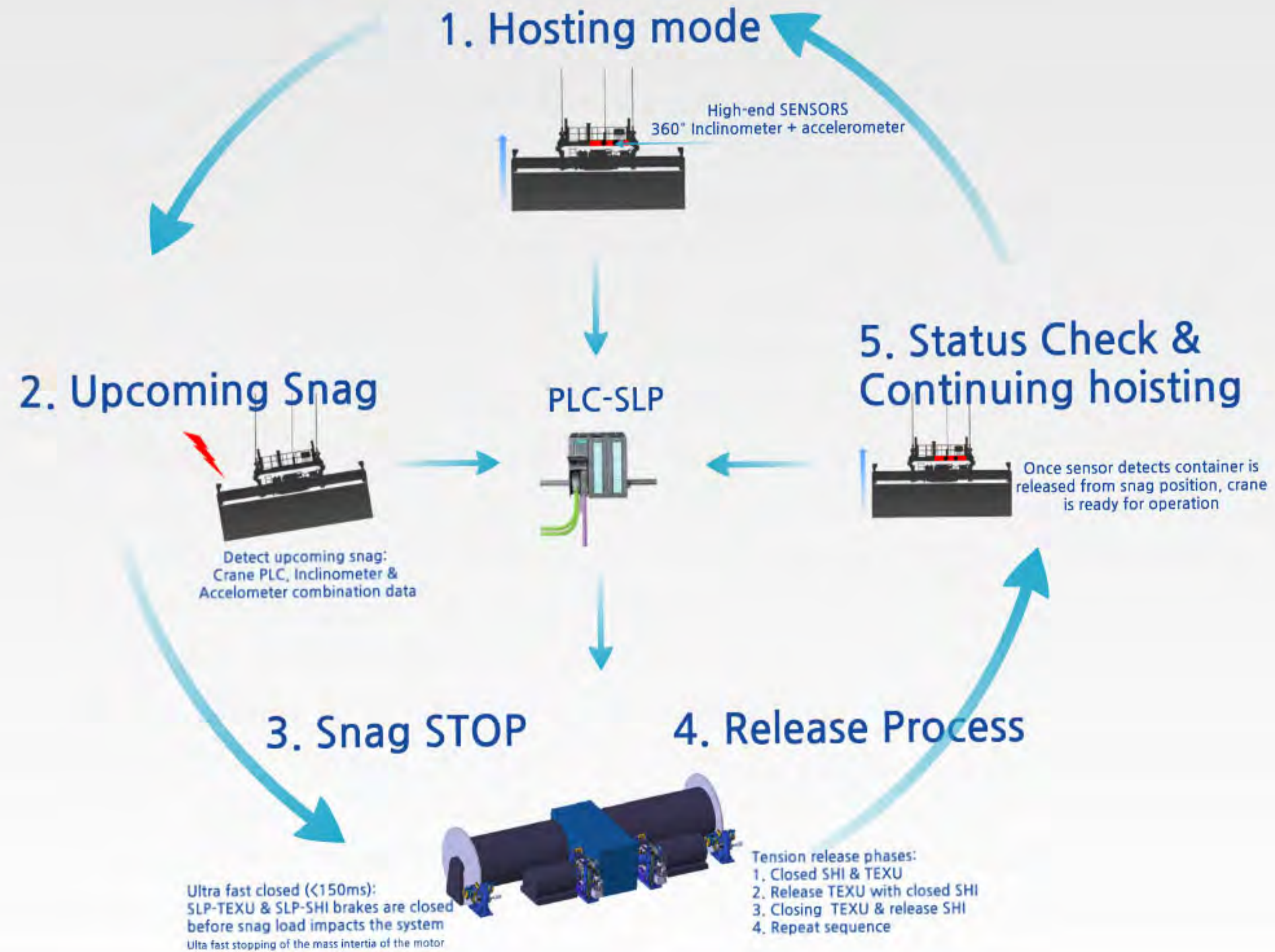


## **SLP MISSION**

# **Prevent & Anticipate**

**The best snag load protection is to avoid the snag load**

# SLP SOLUTION



# SLP ADVANTAGES

1. **PREDICTION** -> Anticipate so Safety & Lower stress in the drive chain
2. NO MOTOR MOVEMENT REQUIRED -> Suitable for RETROFIT
3. NO MOTOR DISCONNECTED -> Hoist movement allowed for snag unlock
4. No mechanical manual intervention after snag
5. SAFETY -> Well known SIBRE brakes (TEXU & SHI)

**Thank you for your attention!**



Thank you for your attention!

**SIBRE SMART**



SMART - CURRENT PROJECTS



MORE THAN 50 CRANES IN A YEAR



CERTIFICATIONS

**CE** Non-substantial modification of machines

SIBRE SMART not only keeps CE certification of the machine where it is installed, but also increases the safety and reliability of the machine. see 100 - Industrial Safety Engineering

**SIBRE SLP**



SLP MISSION

Prevent & Anticipate

The best mag load protection is to avoid the mag load

SLP SOLUTION



SLP ADVANTAGES

1. **NO MOTOR MOVEMENT REQUIRED** -> Suitable for RETROFIT
2. **NO MOTOR DISCONNECTED** -> Motor movement allowed for trap control
3. **NO MECHANICAL CONTACT INTERFERENCE** after trap
4. **SAFETY** -> Well known SIBRE brand CE/CE & TSE



**SIBRE**

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