



TAN CANG
GANTRY

Model NUMBER: YTG22



T
RUST
C
REATIVITY
G
LOBAL
T
ECHNOLOGY

TAN CANG
GANTRY



QCVN

QCVN 22: 2018/BGTVT



European
materials
handling
federation

F.E.M 1.001 01.10.1998

STRUCTURE

- Usage level U7
- Load level Q2
- Group of handling equipment A7

LIFTING MACHINE

- Usage level T7
- Load level L2
- Working mode group M7

TROLLEY TRAVELLING MACHINE

- Usage level T7
- Load level L2
- Working mode group M7

GANTRY CRANE TRAVELLING MACHINE

- Usage level T7
- Load level L2
- Working mode group M7

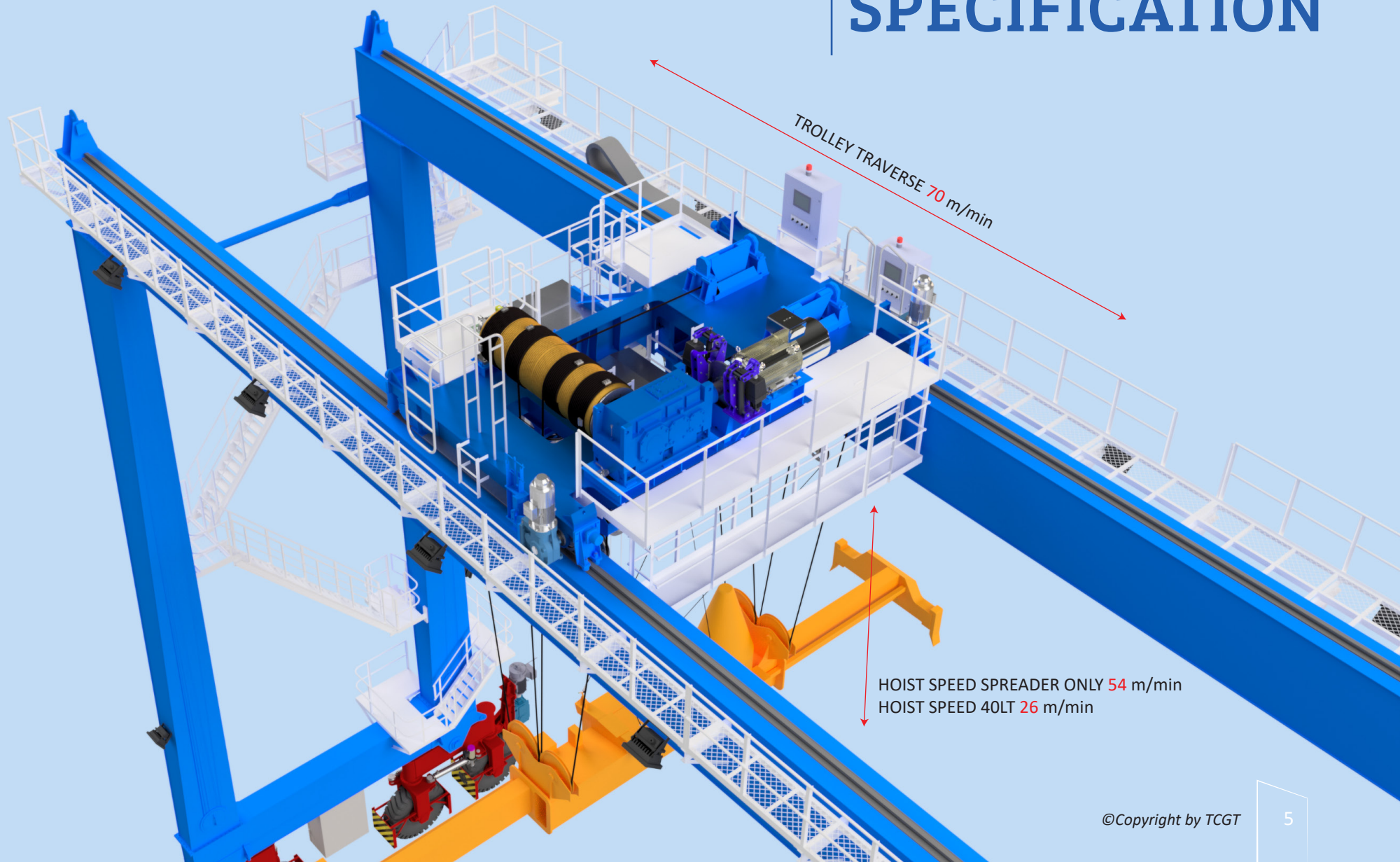


CRANE WORKING MODE

GENERAL SPECIFICATION



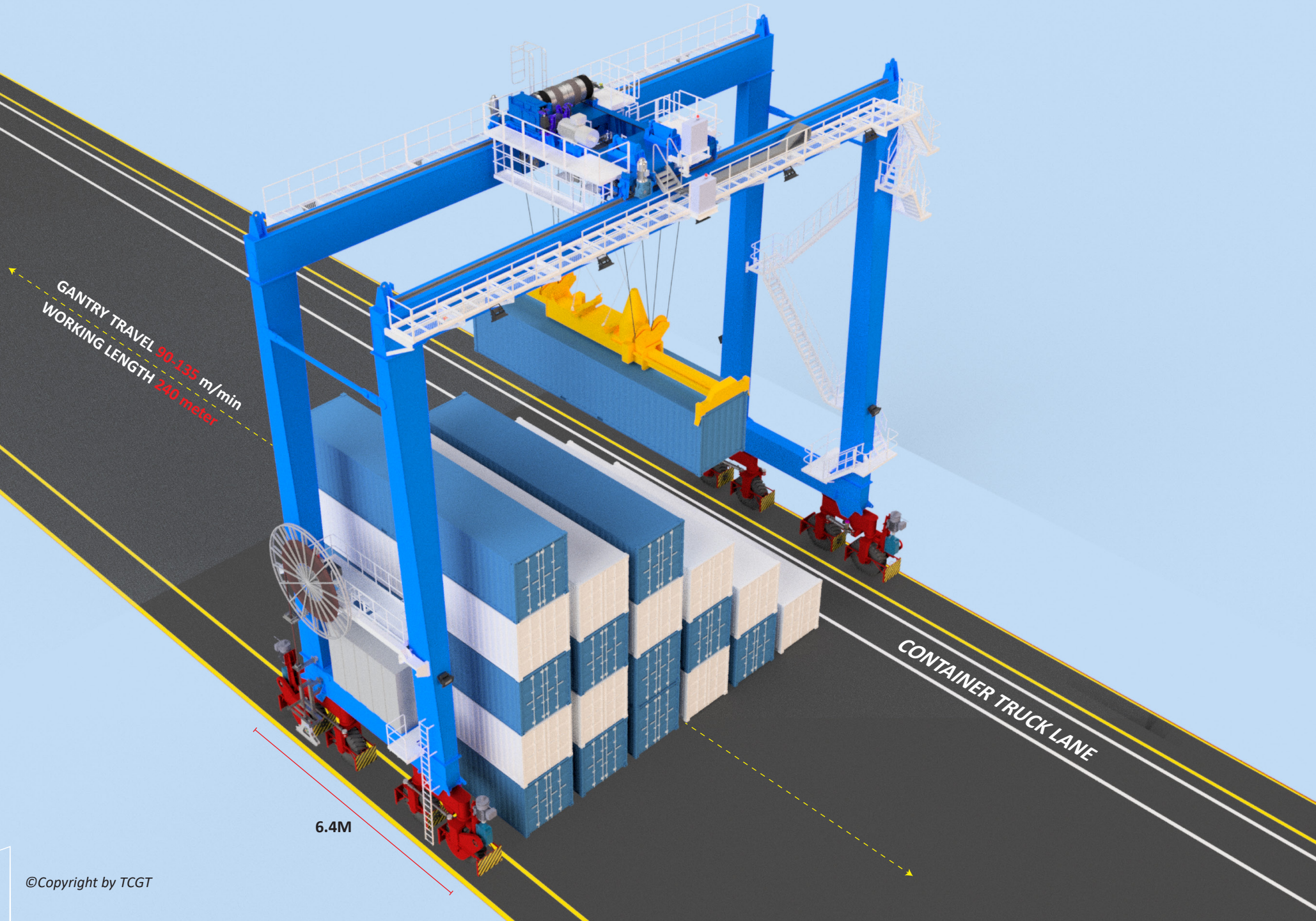
GENERAL SPECIFICATION



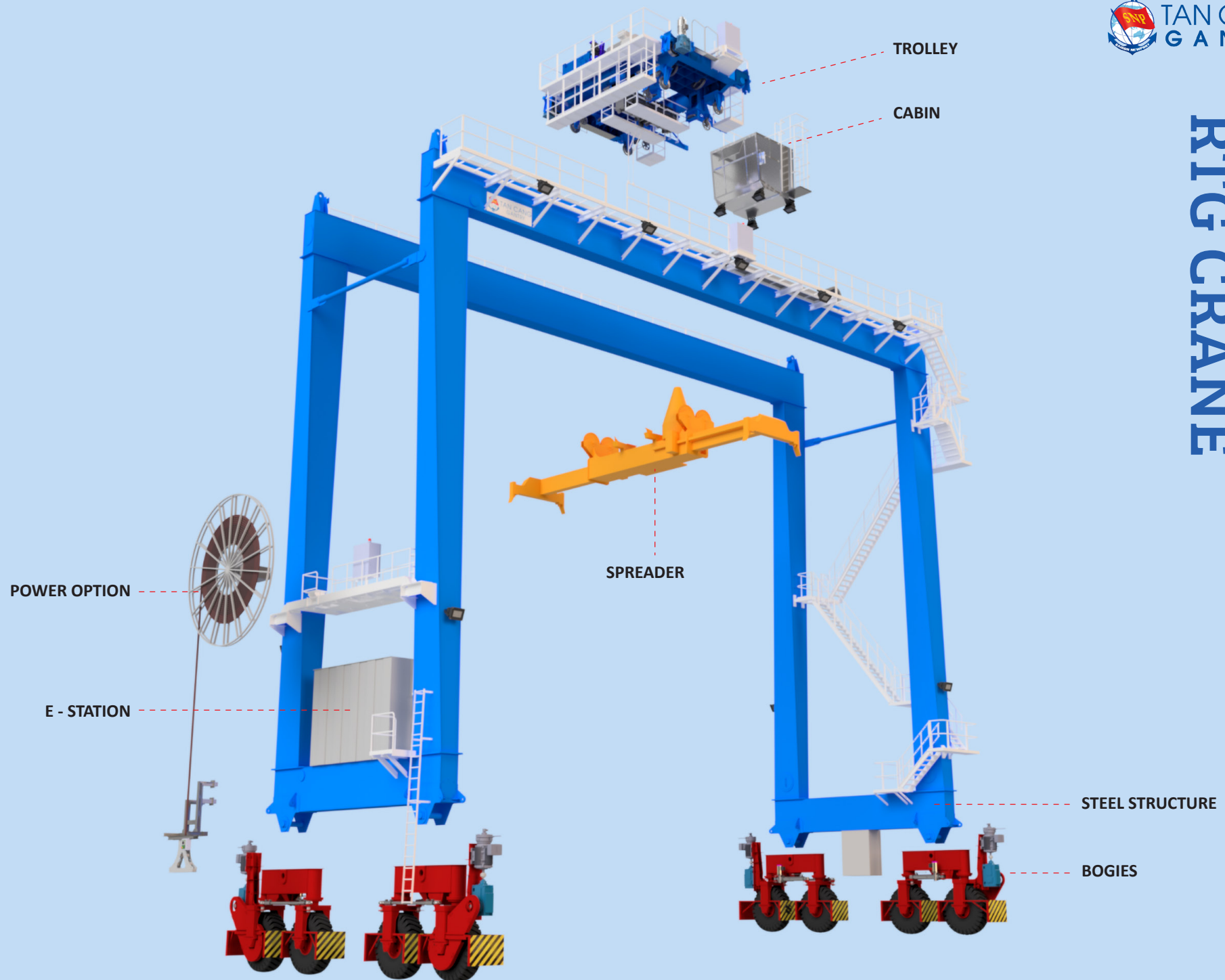
TROLLEY TRAVERSE 70 m/min

HOIST SPEED SPREADER ONLY 54 m/min
HOIST SPEED 40LT 26 m/min

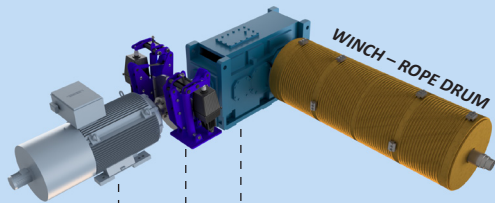
GENERAL SPECIFICATION



EXPLORE OUR RTG CRANE



MAIN HOIST SYSTEM



FLENDER GEAR BOX

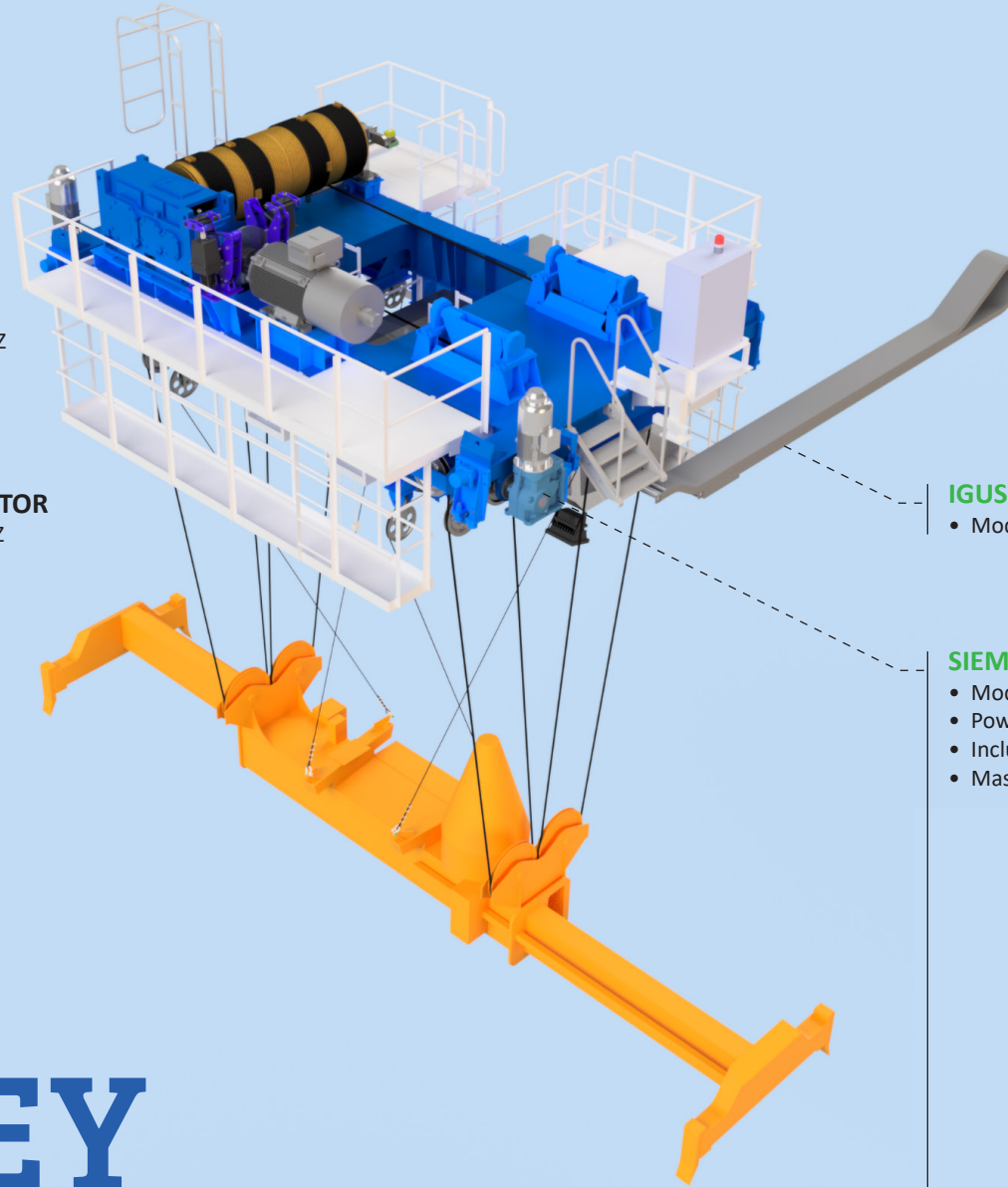
- Model 2LP0022-5BB00-0MZ0-Z

ICAN BRAKE

- IB30-204-710*30-88-13-02

SIEMENS MAIN HOIST MOTOR

- Model 1PC1341-3AC69-0AK4-Z

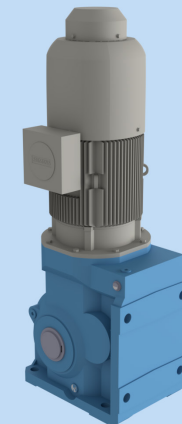


IGUS CABLE CARRIER SYSTEM

- Model 4040RHB.35.300.S10

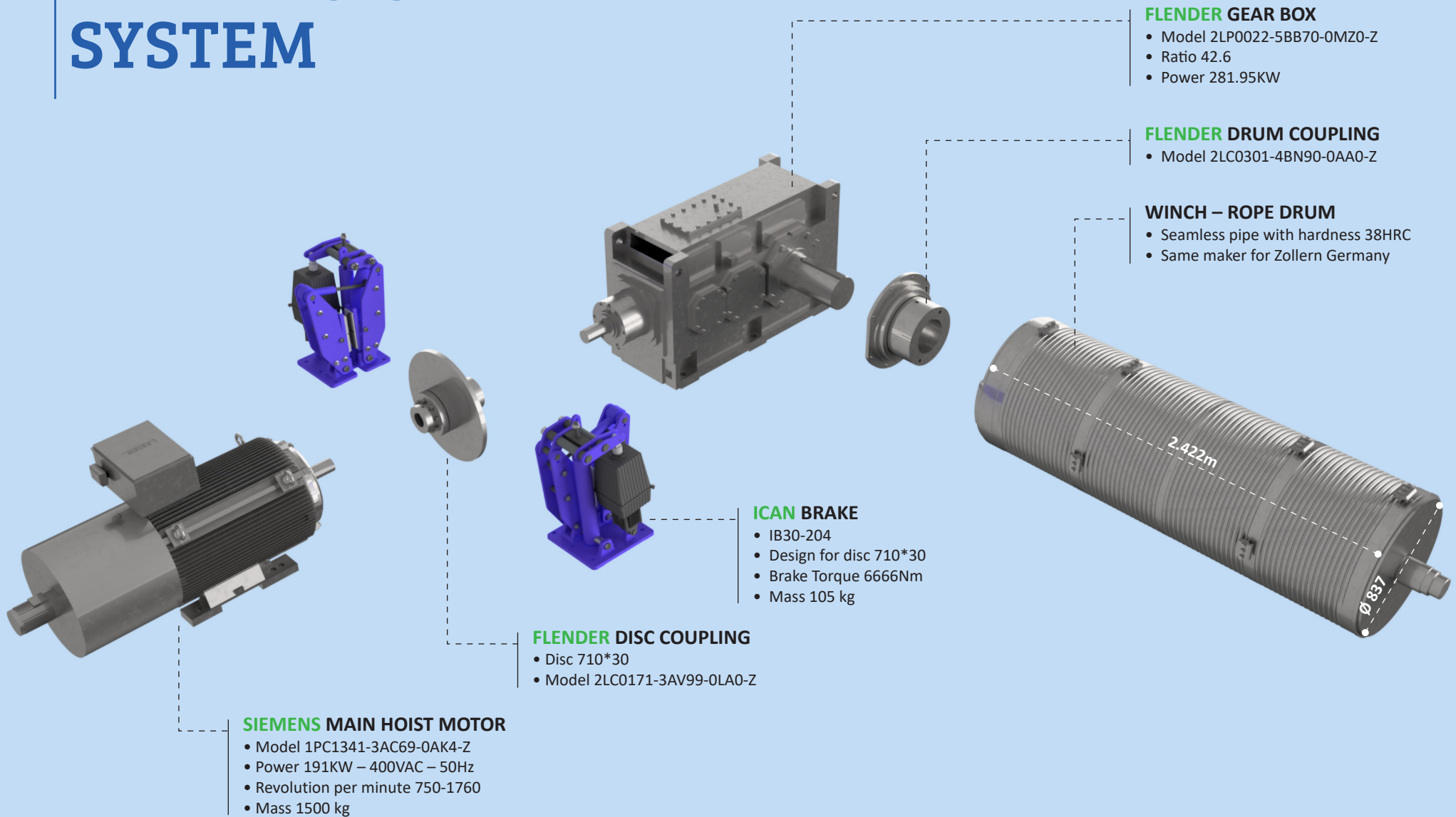
SIEMENS TROLLEY-MOVING MOTOR

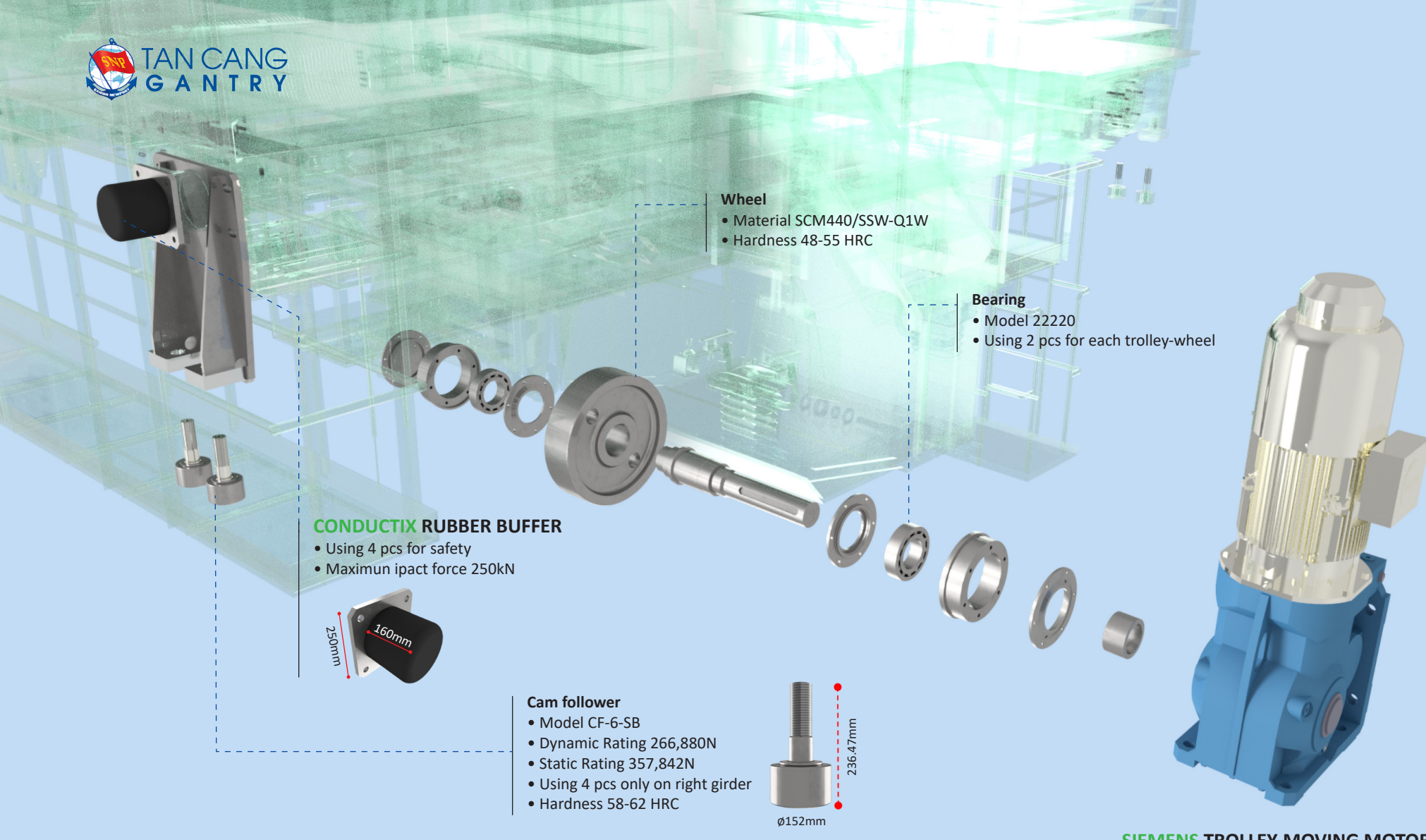
- Model 2KJ3513-5JU23-9AP1-Z
- Power 15KW – 400VAC – 50Hz
- Include gear-box with ratio 32.33
- Mass 352kg



TROLLEY

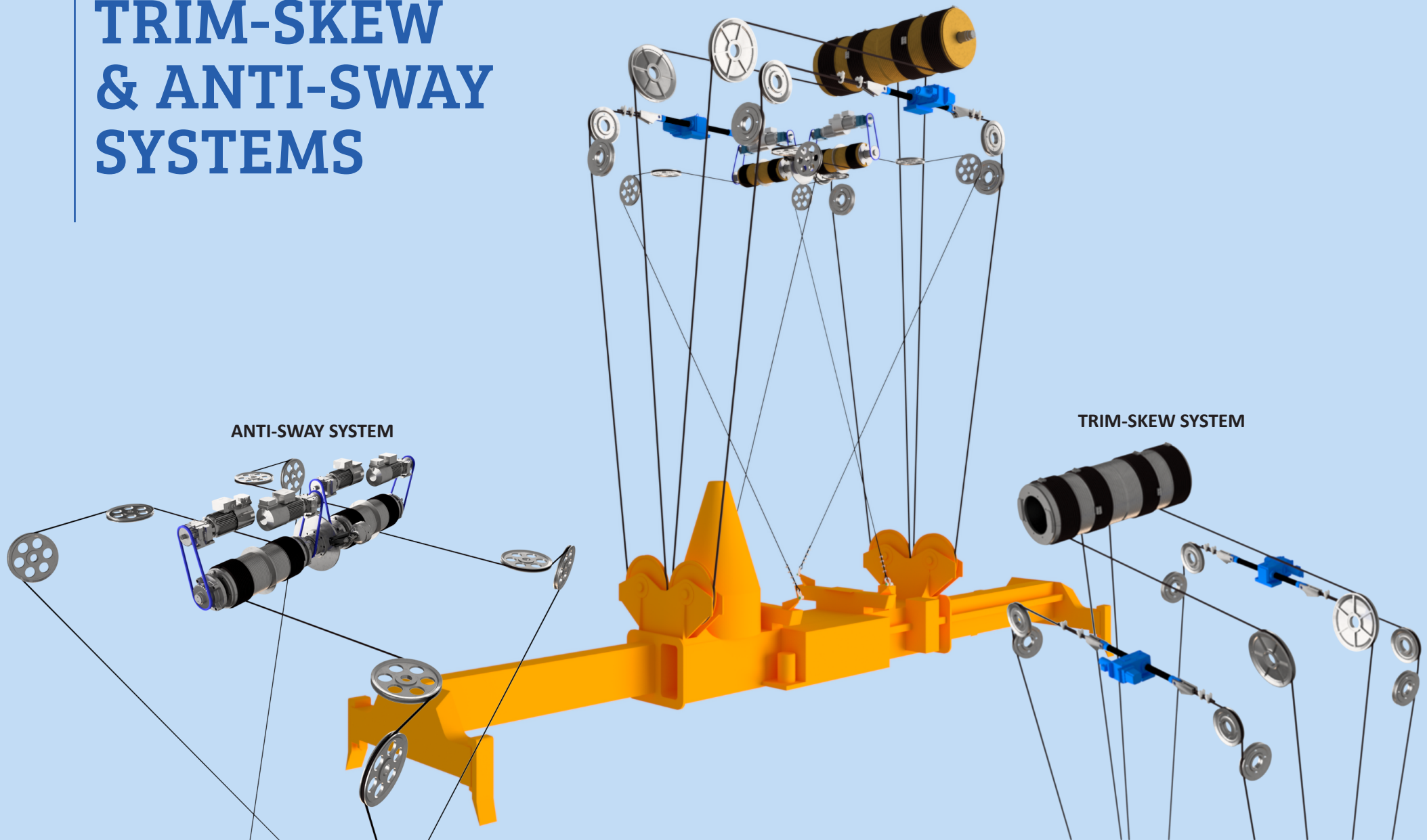
MAIN HOIST SYSTEM





TROLLEY-ASSEMBLY SYSTEM

TRIM-SKEW & ANTI-SWAY SYSTEMS



TRIM-SKEW SYSTEM

Sheave 450mm
• Design 8pcs for system

Sheave 736 mm
• Design 2 pcs on Trolley
• Design 4 pcs on Spreader

MAIN HOIST – ROPE DRUM

Wire rope Ø26

Spreader

Positioner

Speed 10 mm/s

Nidec motor
• 3Ø 400v 50Hz

1600mm

COSMIC TRIM-SKEW

- Power 52800N
- Stroke Max 700 mm
- Motor 0.75KW-400V-50Hz
- Mass 146kg
- Skew 5%
- Trim 3%

ANTI-SWAY SYSTEM

Sheave 394.5 mm

- Design 8pcs for system

SIEMENS MOTOR TORQUE

WOOCHANG BREAK COUPLING

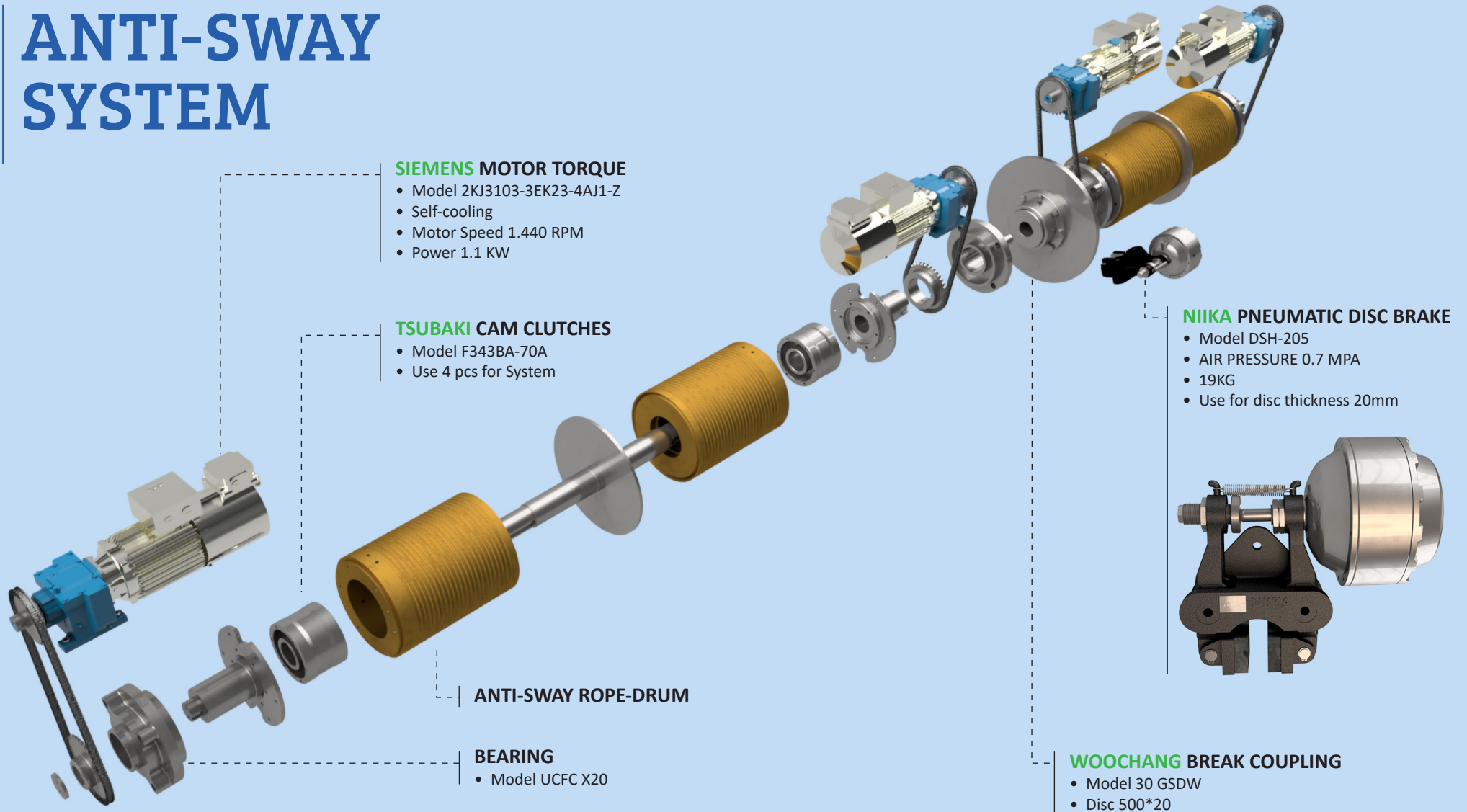
STINIS SPREADER

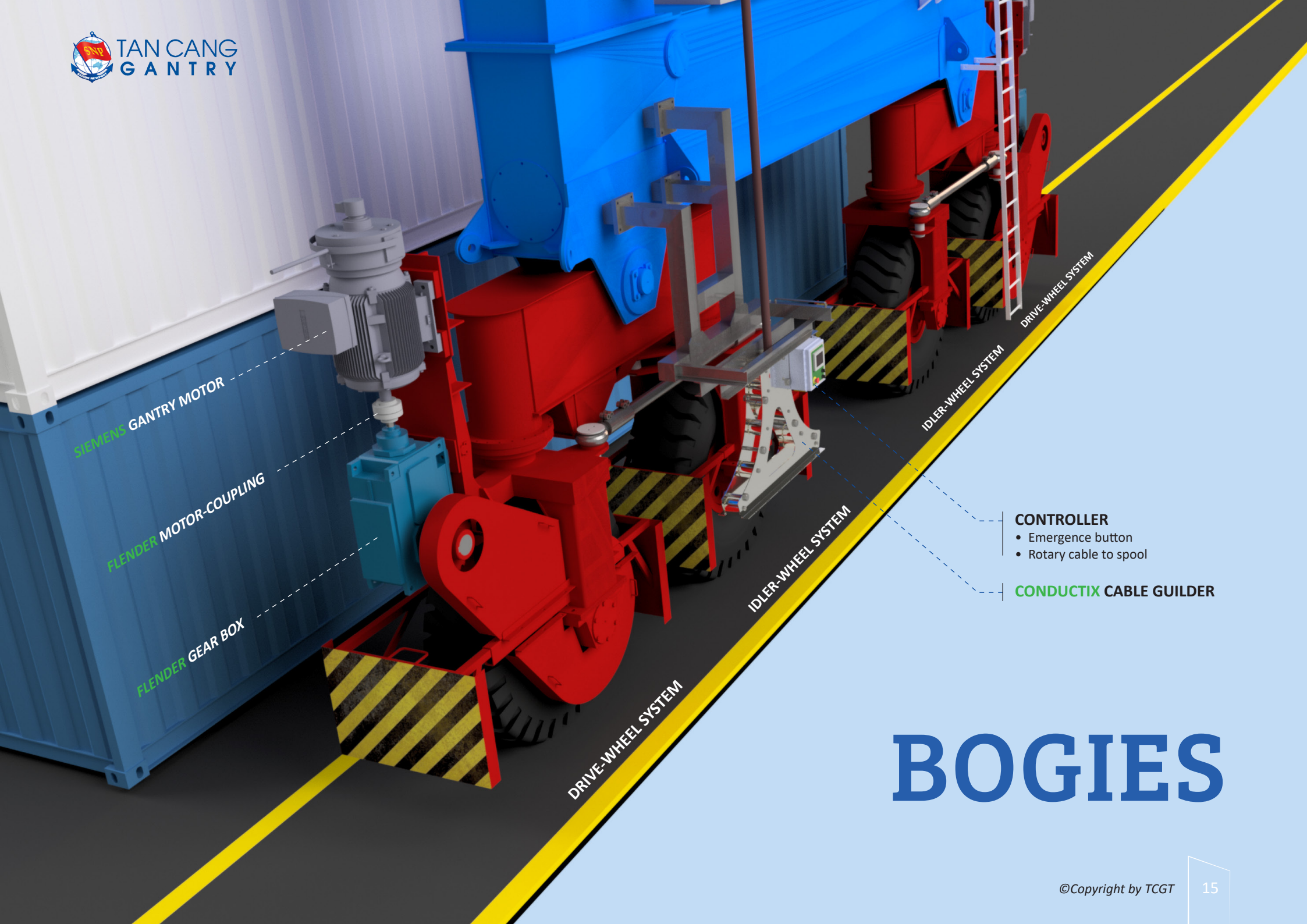
Wire Rope $\varnothing 12$

Rope-drum

NIIKA PNEUMATIC DISC BRAKE

ANTI-SWAY SYSTEM





SIEMENS GANTRY MOTOR

FLENDER MOTOR-COUPLING

FLENDER GEAR BOX

DRIVE-WHEEL SYSTEM

IDLER-WHEEL SYSTEM

IDLER-WHEEL SYSTEM

DRIVE-WHEEL SYSTEM

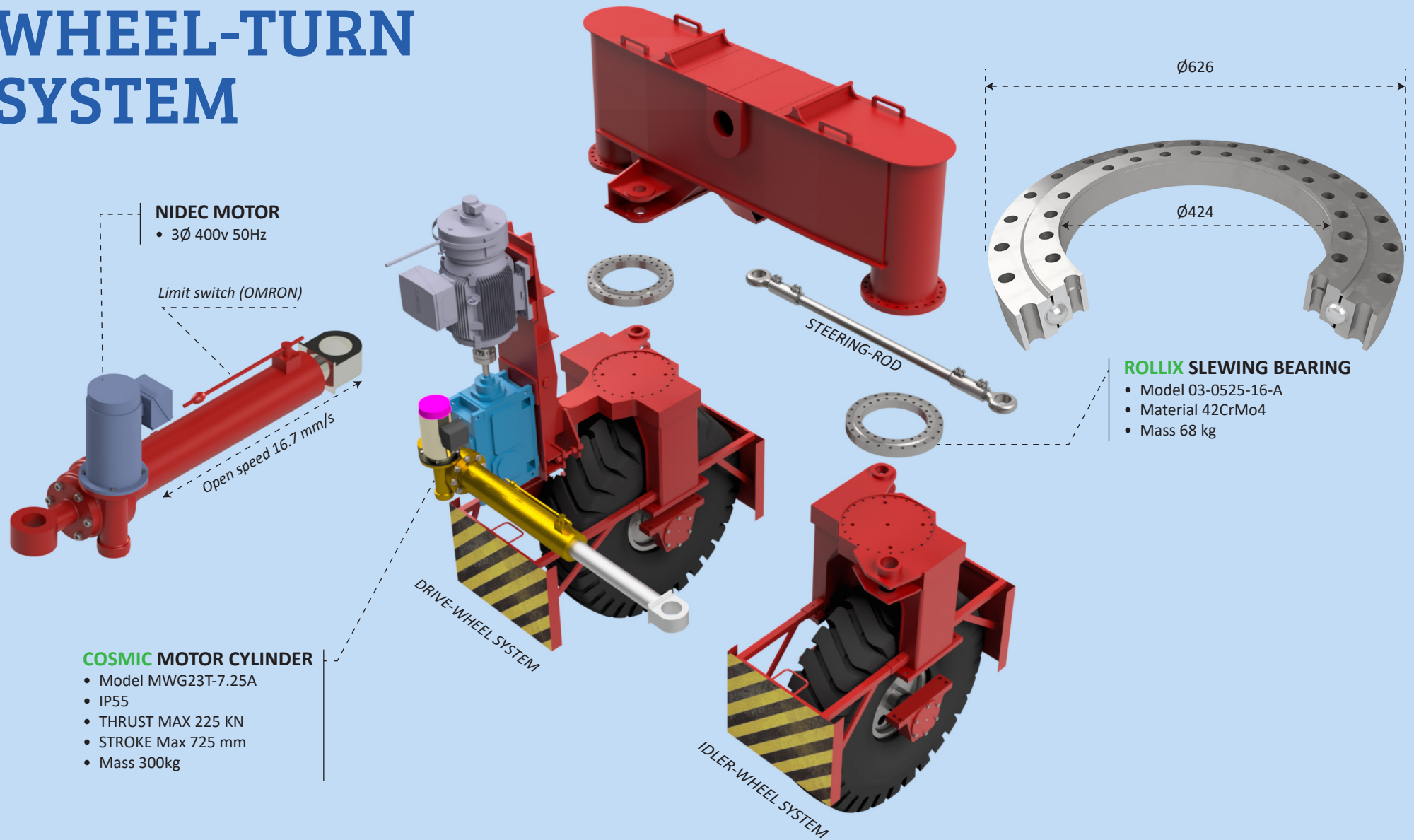
CONTROLLER

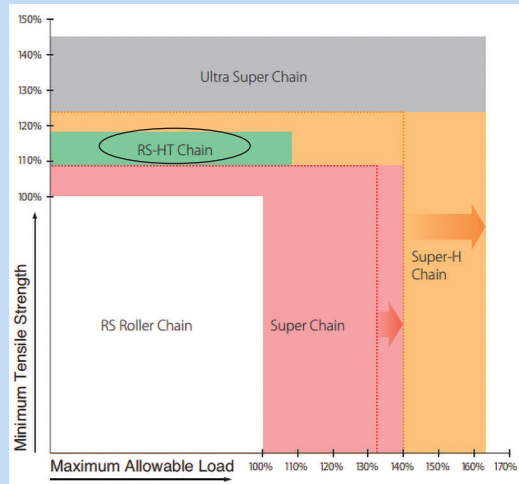
- Emergence button
- Rotary cable to spool

CONDUCTIX CABLE GUILDER

BOGIES

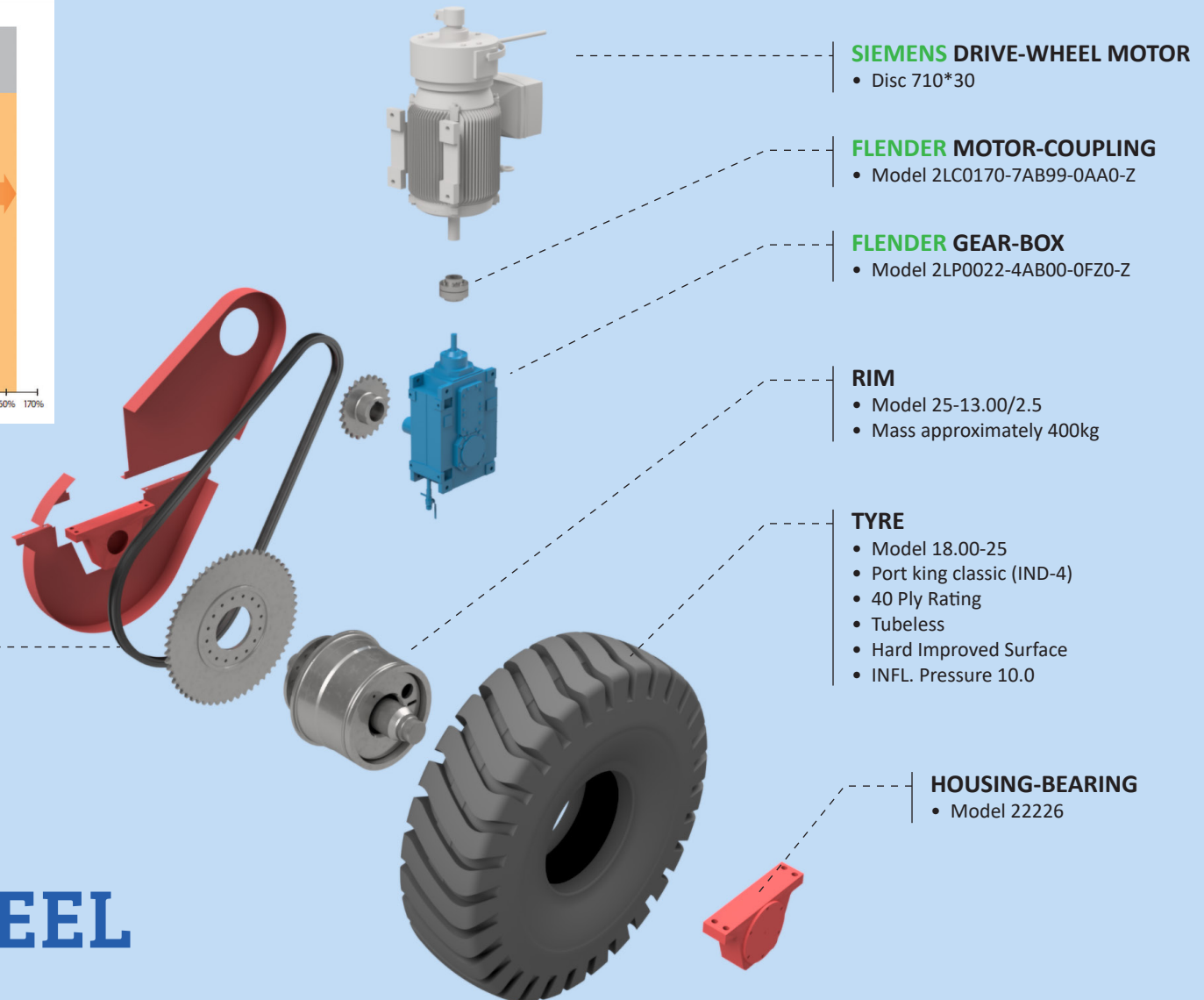
WHEEL-TURN SYSTEM





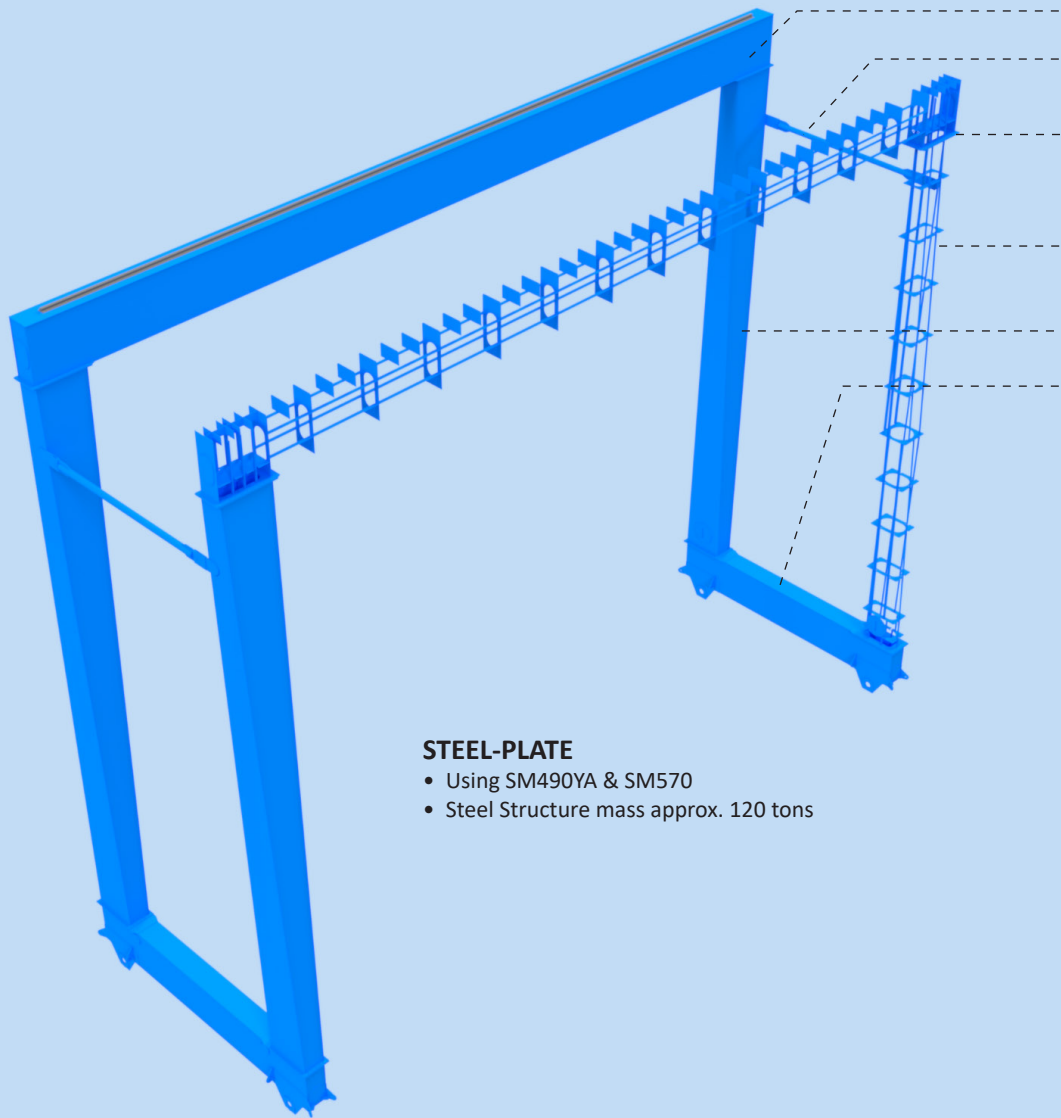
TSUBAKI CHAINS

- Model RS-160-HT-1
- Tensile Strength **over 110%**



DRIVE-WHEEL SYSTEM

STEEL STRUCTURE

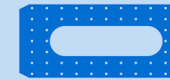


GIRDER

LEG HORIZONTAL

FLANGE

- Using SM570



STIFFENERS

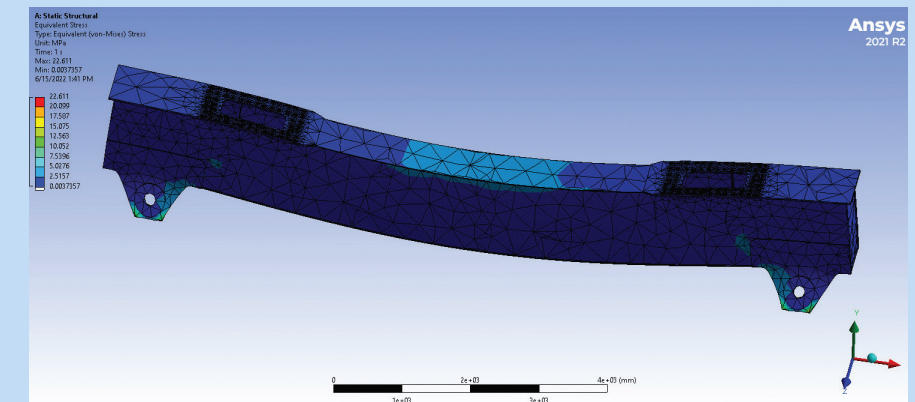
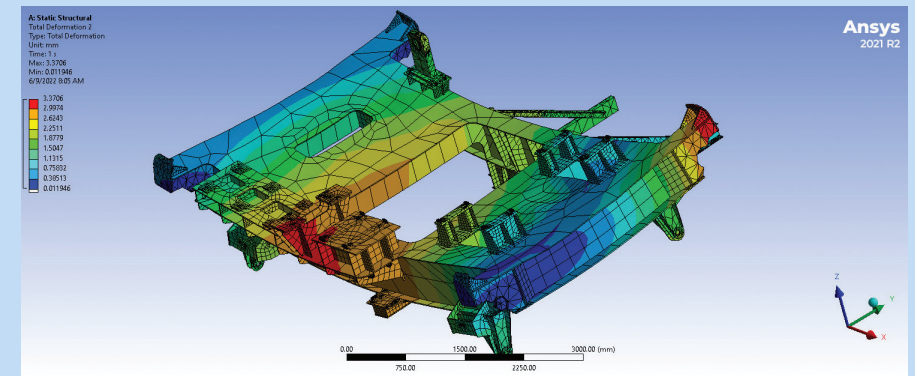
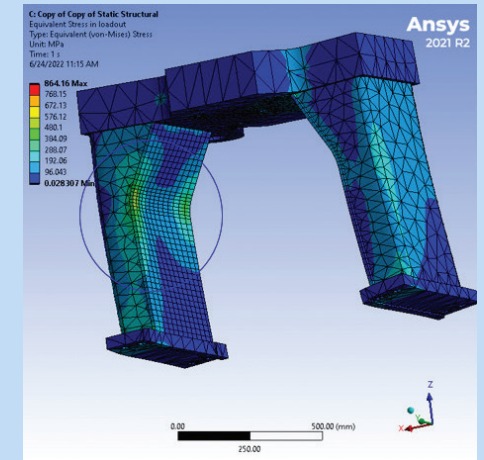
- Using SM490YA

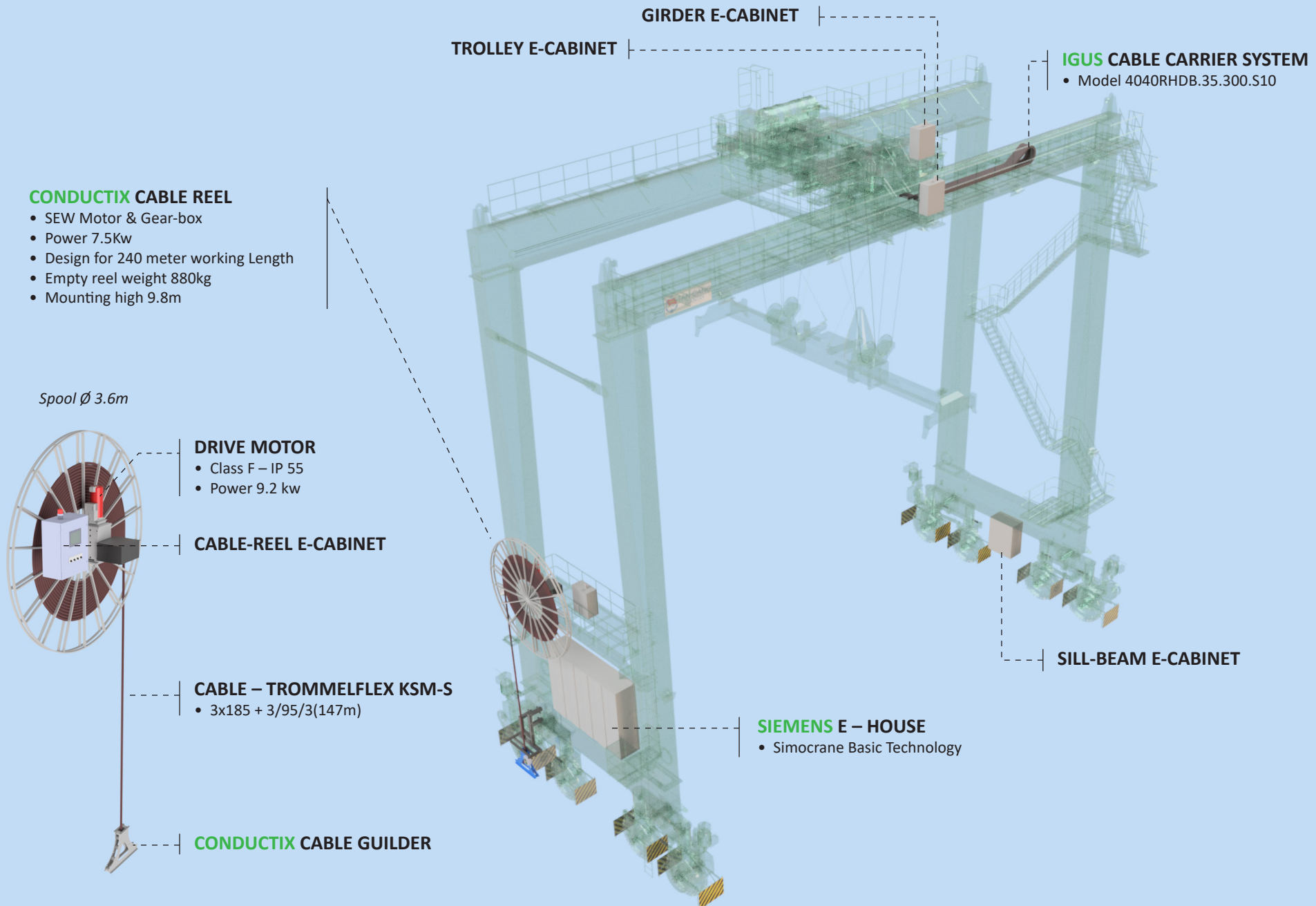
CRANE-LEG

SILL-BEAM

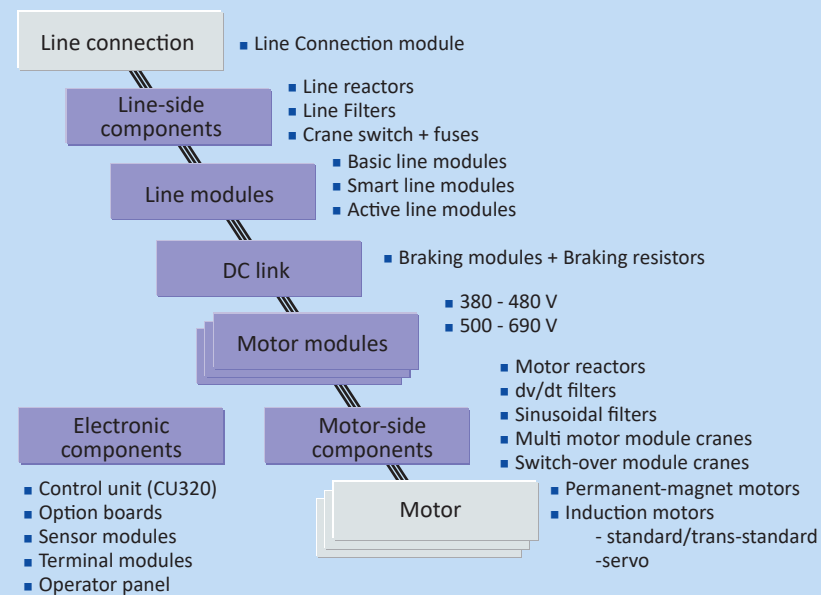
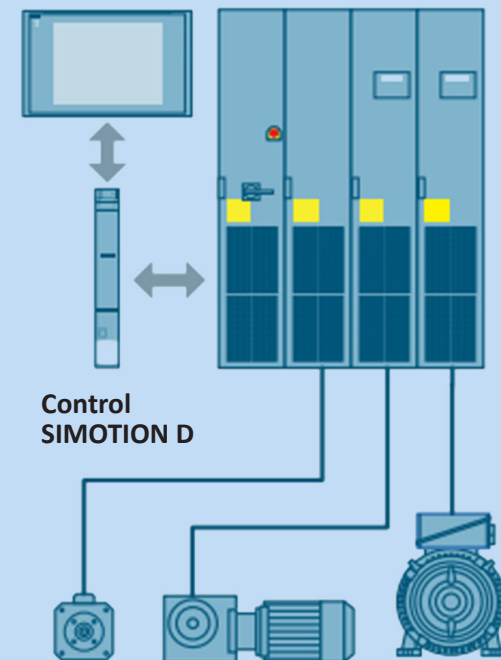
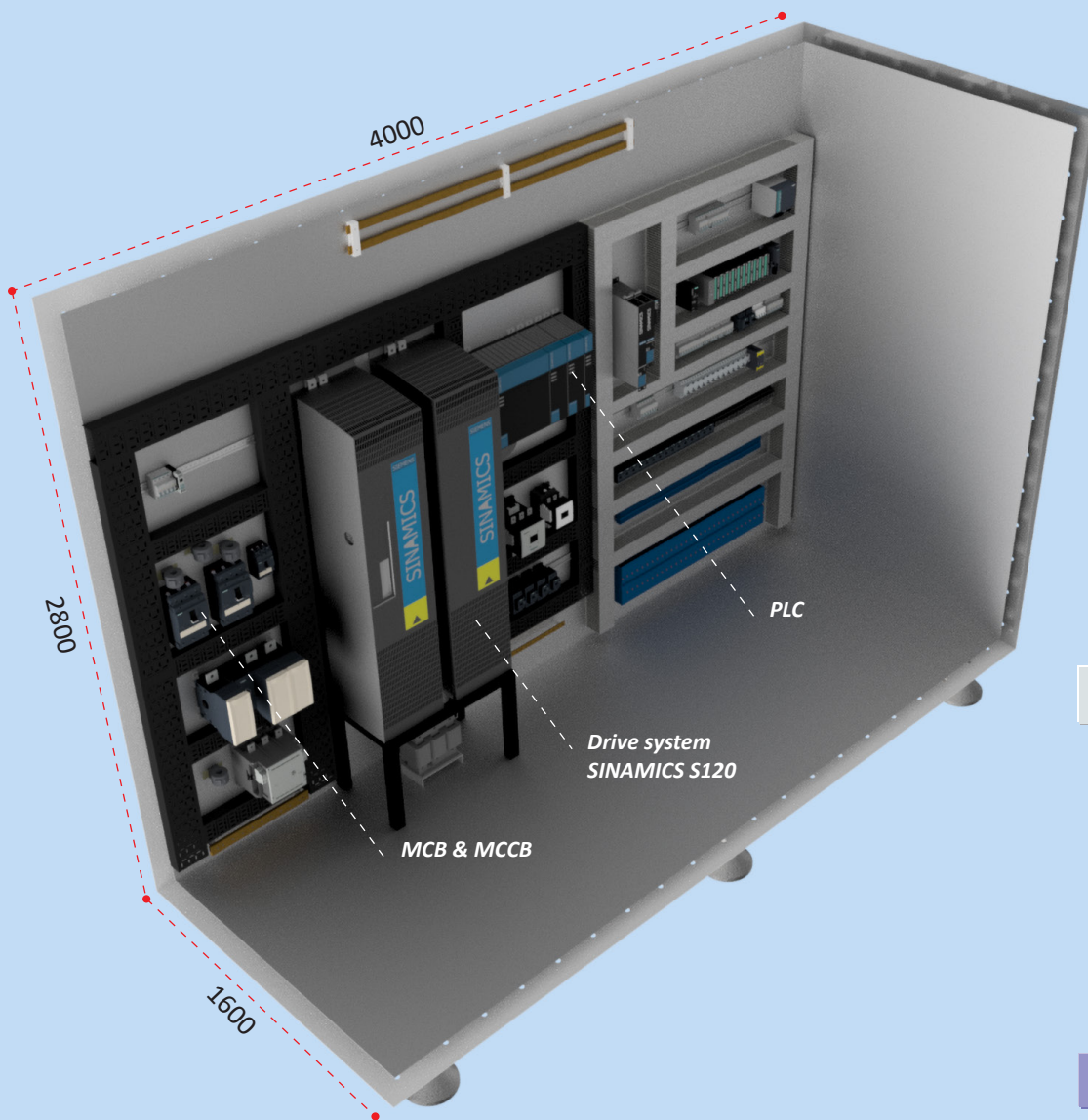
STEEL-PLATE

- Using SM490YA & SM570
- Steel Structure mass approx. 120 tons





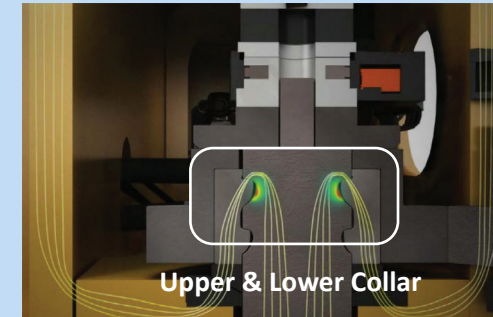
E-HOUSE



SPREADER

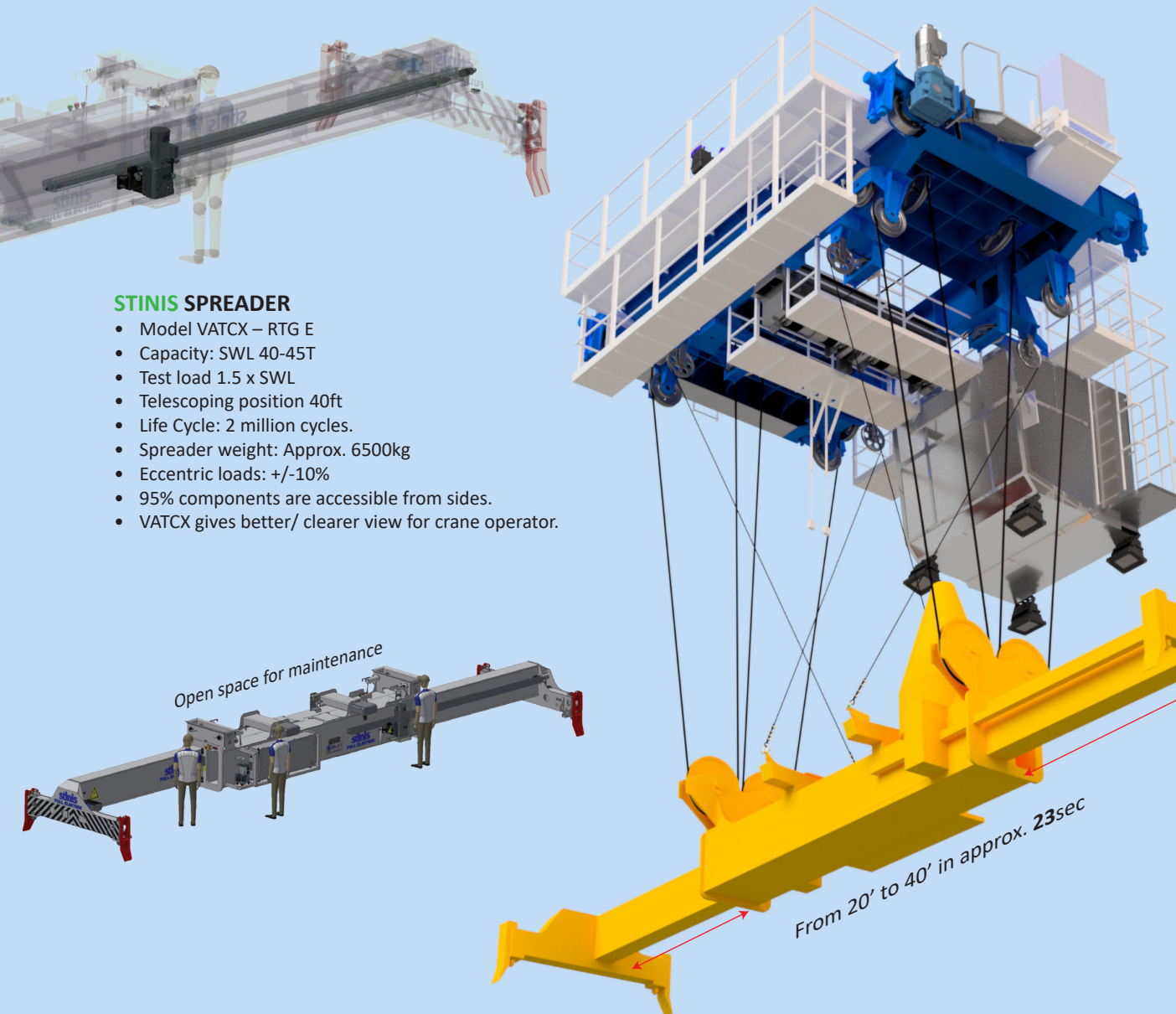
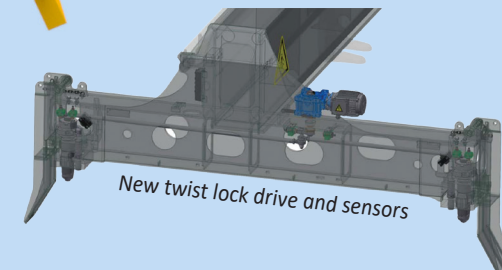
STINIS SPREADER

- Model VATCX – RTG E
- Capacity: SWL 40-45T
- Test load 1.5 x SWL
- Telescoping position 40ft
- Life Cycle: 2 million cycles.
- Spreader weight: Approx. 6500kg
- Eccentric loads: +/-10%
- 95% components are accessible from sides.
- VATCX gives better/ clearer view for crane operator.



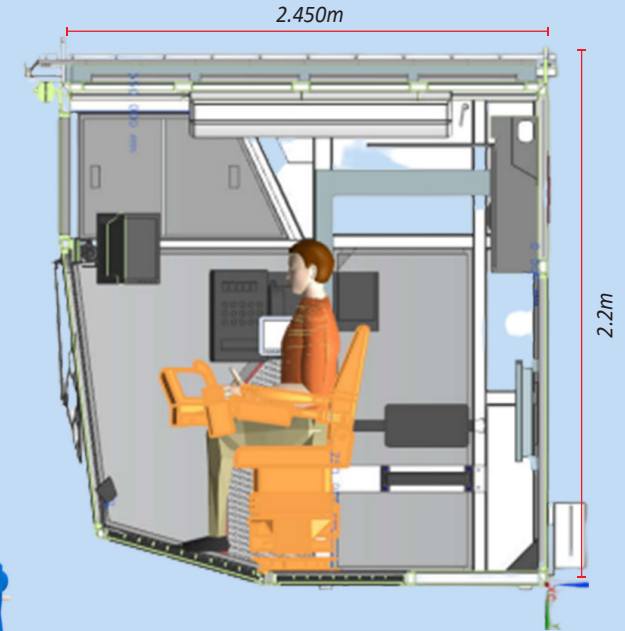
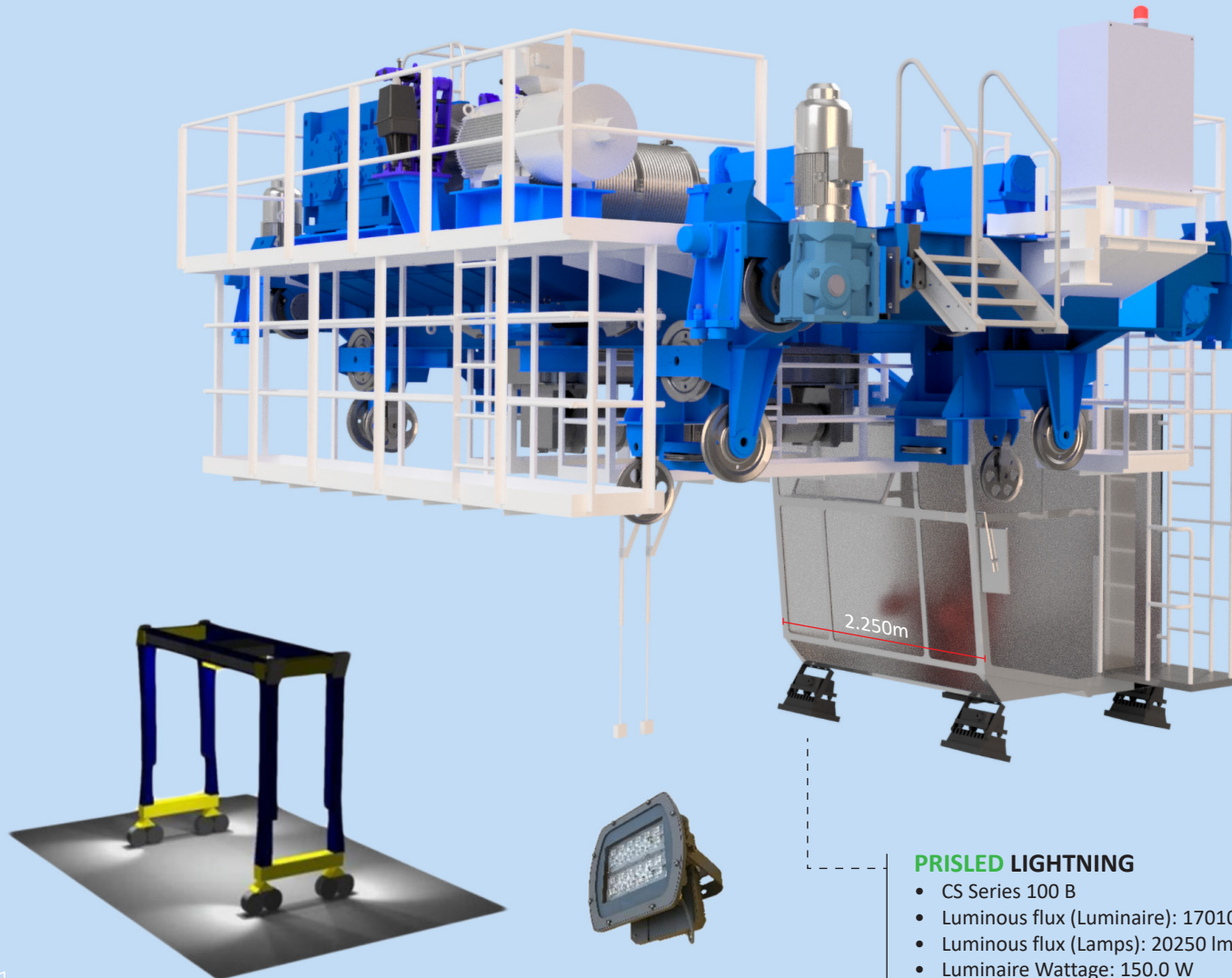
STINIS TWIST LOCKS

- Ø35
- Actuation time approx. 1.5s
- Upper Collar life time **160.000** moves
- Lower Collar rest time **160.000** moves



OPERATOR CABIN TECHNOLOGY ADVANTAGES

- Using the high quantity section welding treatment, high quality cold rolled plate processed by CNC machine, has the advantages of high strength, light weight, reasonable structure design.
- Interior decorated with fire & waterproof, sound & heat insulated material.
- All indoor decoration materials used has passed European ROHS certification of environmental protection.



OPERATOR CABIN TECHNICAL PARAMETERS

- The input AC 220V, 50/60Hz, $\pm 10\%$
- Temperature: -40°C to 45°C , but not more than 80°C
- Protection grade: IP55
- Standard IEC 61131-2

PRISLED LIGHTNING

- CS Series 100 B
- Luminous flux (Luminaire): 17010 lm
- Luminous flux (Lamps): 20250 lm
- Luminaire Wattage: 150.0 W
- Luminaire classification according to CIE: 100



TRUST CREATIVITY GLOBAL TECHNOLOGY



TAN CANG GANTRY



TAN CANG GANTRY JOINT STOCK COMPANY

OFFICE: 6th floor, No. 16-18, Nguyen Cong Tru Street, Nguyen Thai Binh Ward, District 1,
Ho Chi Minh City, Vietnam

Tel.: +84 934171689 | Website: www.tancanggantry.com.vn