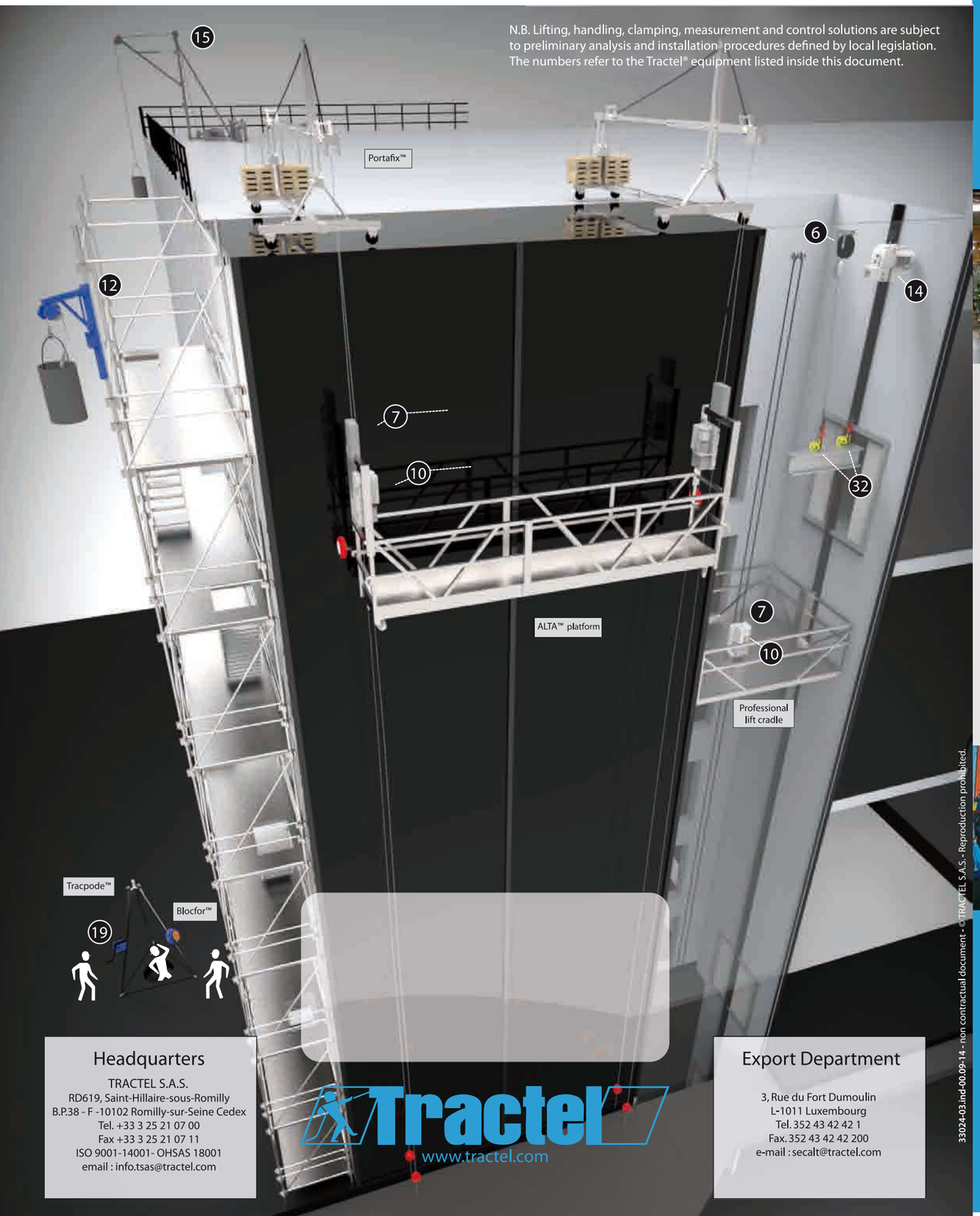
GUIDE TO LIFTING
IN INDUSTRIAL ENVIRONMENTS

Exterior



N.B. Lifting, handling, clamping, measurement and control solutions are subject to preliminary analysis and installation procedures defined by local legislation. The numbers refer to the Tractel® equipment listed inside this document.

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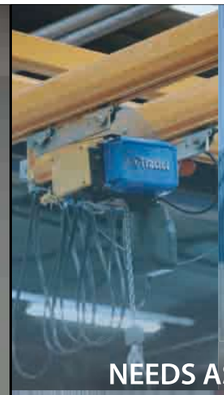
INDUSTRIAL ENVIRONMENTS



NEEDS ASSESSMENT

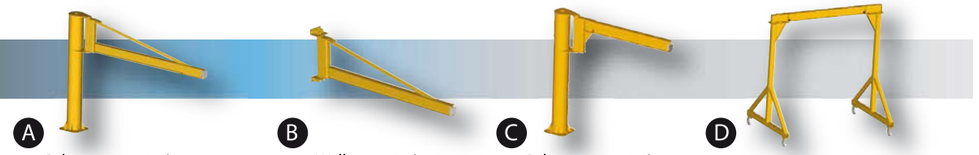
APPLICATION RISK ANALYSIS

UPGRADING EXISTING EQUIPMENT

ENSURING SAFETY OF WORKING ENVIRONMENTS

LIFTING IN

JIB CRANE SYSTEMS



A Column mounted jib cranes overbraced

B Wall mounted jib cranes overbraced

C Column mounted jib cranes underbraced

D Portal cranes

LINKING SYSTEMS

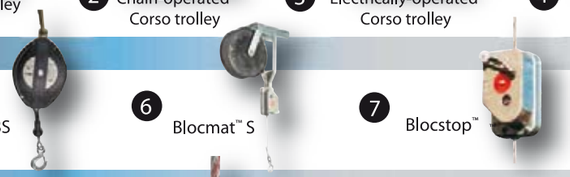
1 Corso push trolley

2 Chain-operated Corso trolley

3 Electrically-operated Corso trolley

4 Corso beam clamp

Fall arrestors



5 Blocmat™ BS

6 Blocmat™ S

7 Blocstop™

LIFTING DEVICES

chain | wire rope | synthetic rope

Motorised

8 Tralift™ TE

9 Tralift™ TS

10 Tirak™

11 caRol™ TE

12 Altotir™

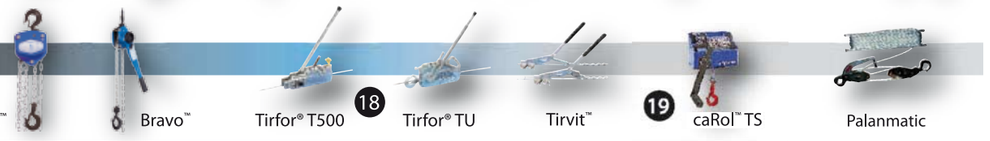
13 Tirak™

14 Minifor™

15 Sodenic™

16 Minifor™ TR125 SY

Manual



17 Tralift™

Bravo™

Tirfor® T500

18 Tirfor® TU

Tirvit™

19 caRol™ TS

Palanmatic

EQUIPMENT BELOW THE HOOK

Measurement / Control

Dynafor™ LLX1

20 Dynafor™ LLX2

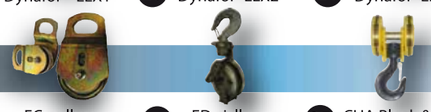
21 Dynafor™ LLXh

Dynafor™ MWX

22 Dynasafe™

Dynarope™

Block and tackle/ Pulleys

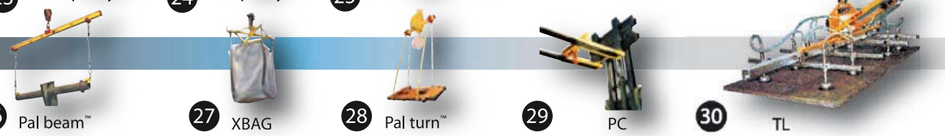


23 EC pulley

24 ED pulley

25 CHA Block & tackle

Lifting beams



26 Pal beam™

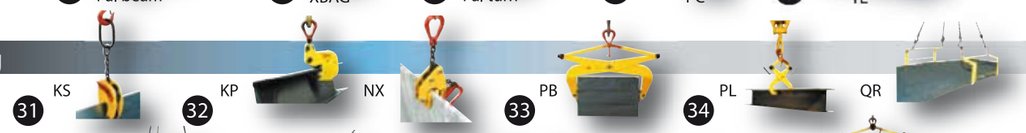
27 XBAG

28 Pal turn™

29 PC

30 TL

Clamping



31 KS

32 KP

NX

PB

PL

QR

RB

TB

33 RT

34 VDL

VFB

35

36

FLOOR HANDLING

Pallet truck and skates

37 Pioneer™

38 Hi-lift

39 Pakrol™

Jacks and cranes

CHB hydraulic "bottle" jacks

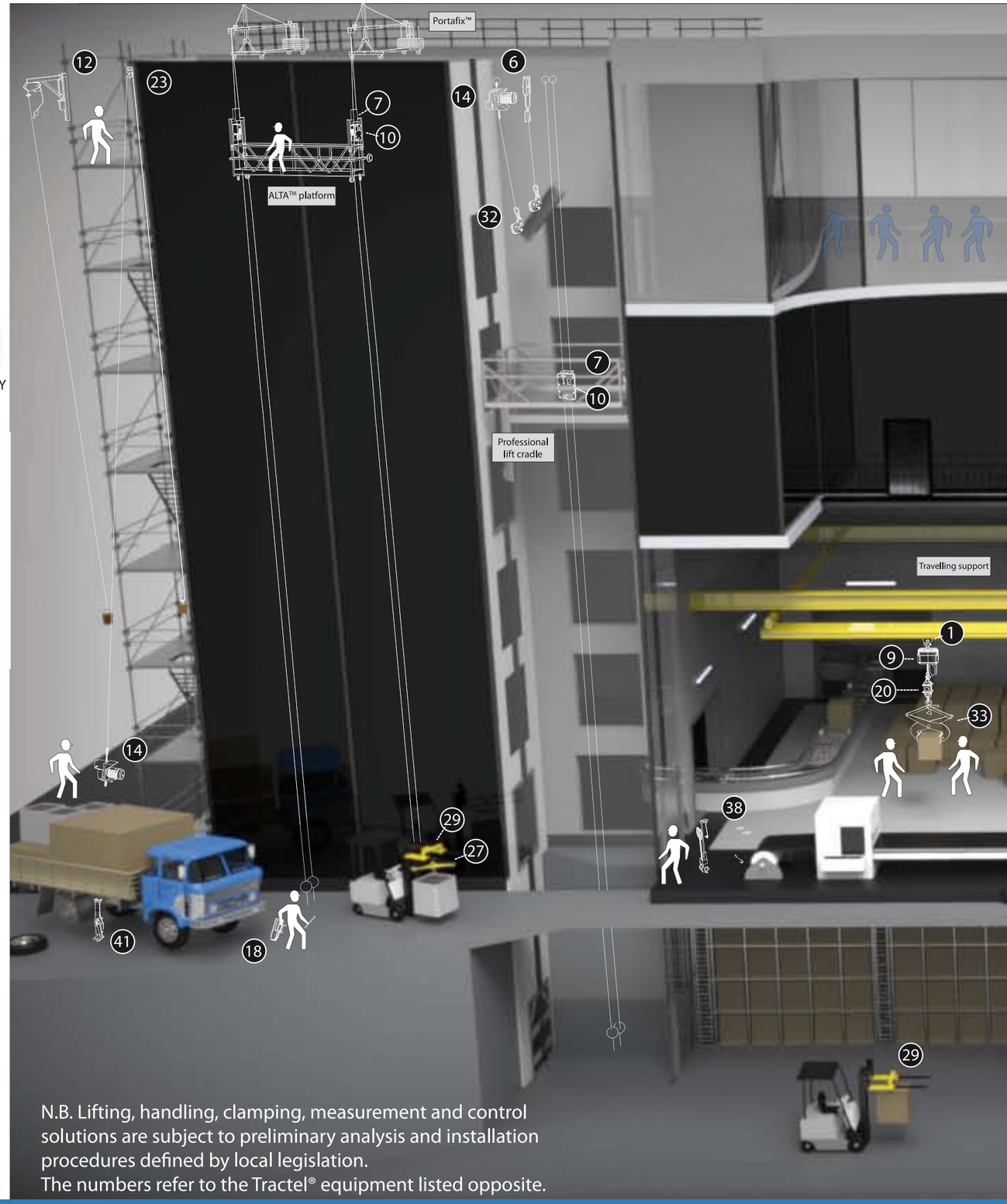
40 Hydrofor™ hydraulic jacks

41 Top rack jack

CHR "roller" hydraulic jacks

COR "roller" hydraulic jacks

GHP cranes



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LIFTING IN INDUSTRIAL ENVIRONMENTS

1 OBLIGATIONS

RESPONSIBILITIES OF CONTRACTORS AND COMPANY OWNERS

ENSURING SAFETY IN THE WORKPLACE

- Organisation
- Construction
- Operations

PROVIDING APPROPRIATE EQUIPMENT

- Appropriate to operational targets
- Protecting the operator and the working environment

CHECKING THE LIFTING SYSTEMS

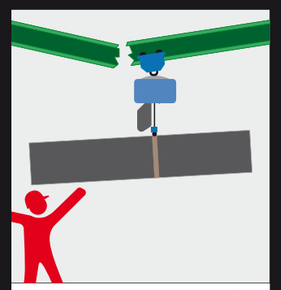
- Checking installation
- Periodical inspections
- General status monitoring
- Checking commissioning

ALWAYS REFER TO THE LOCAL LEGISLATION

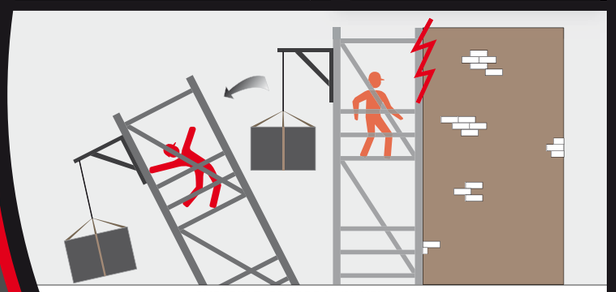
RISKS

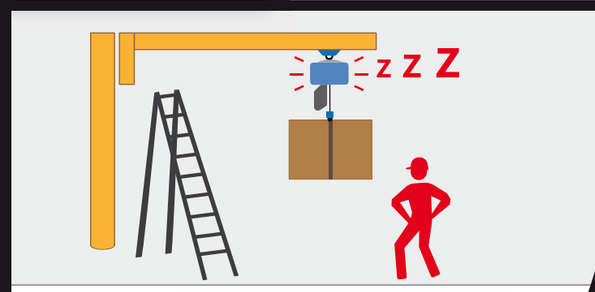
SHEARING: CORPORAL INJURY

EQUIPMENT FALLING: MATERIAL DAMAGE

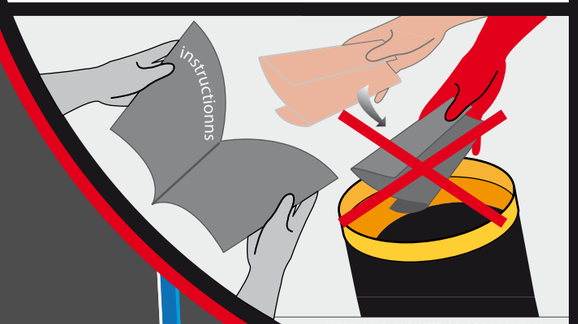

OVERLOAD: SHEARING/DEFORMATION

ERGONOMICS: HANDLING

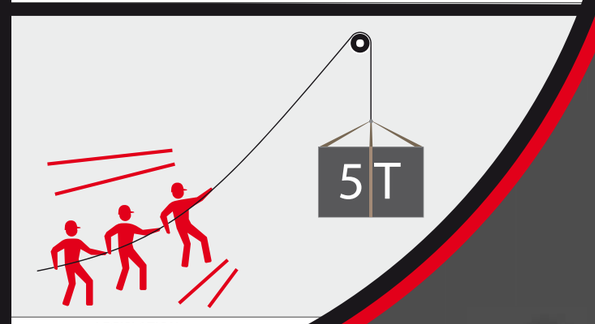

SHEARING: CORPORAL INJURY



END OF PRODUCT LIFE: BREAKDOWN/MAINTENANCE



USER AND MAINTENANCE MANUAL



LEGISLATION

2 STEPS OF ANALYSIS

Analysing applications

Visualising constraints

Taking needs into account

Defining solutions

3 EQUIPMENT

Host systems and structure

Linking systems

Lifting devices

Equipment below the hook

Floor handling equipment

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