

CONTAINER WEIGHING SOLUTIONS

Konecranes Smart Connected
Lift Trucks



SOLAS REGULATION

- From July 1, 2016
- Shippers required to provide Verified Gross Mass before loading container onto a ship

KONECRANES SOLUTION

- Static weighing system*
- Measures hydraulically
- 1% full scale accuracy
- Less than 5 seconds

*Dynamic system to be released later in 2016 with 'on the fly' weighing and 1% full scale accuracy





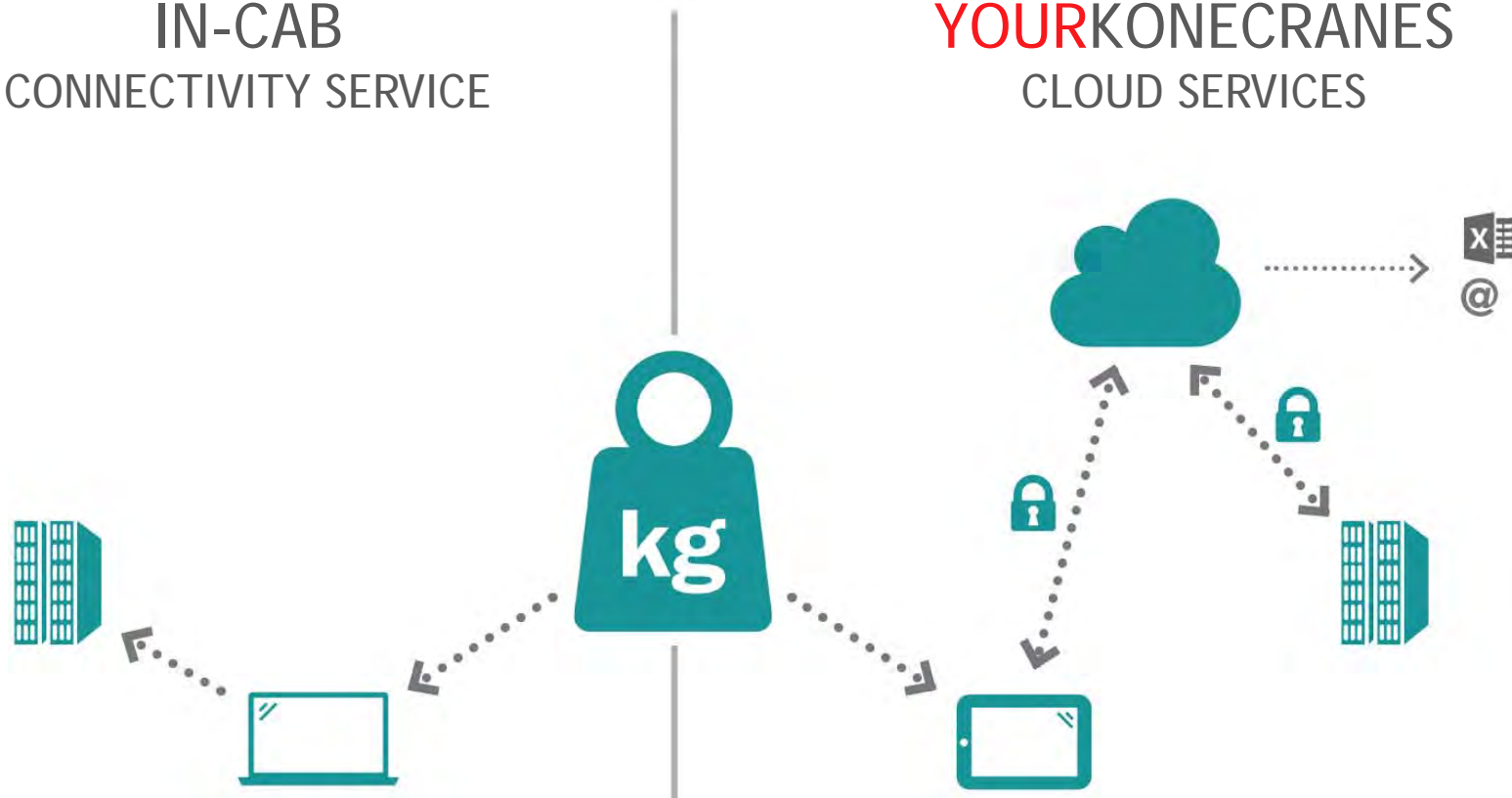
WEIGHING PROCESS

- Container lifted in transport position
- Driver initiates via touch display
- VGM sent to in-cab modem
- Possible seamless integration with TOS/TMS or ERP system

TWO SOLUTIONS:

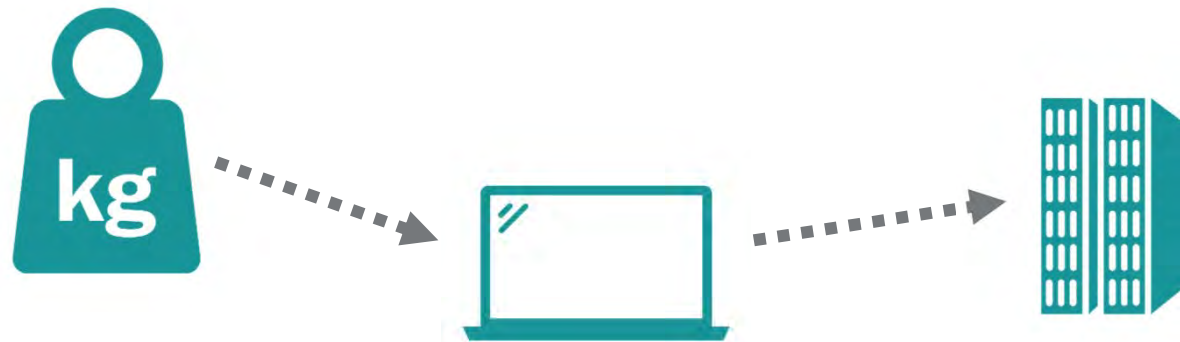
IN-CAB
CONNECTIVITY SERVICE

YOURKONECRANES
CLOUD SERVICES



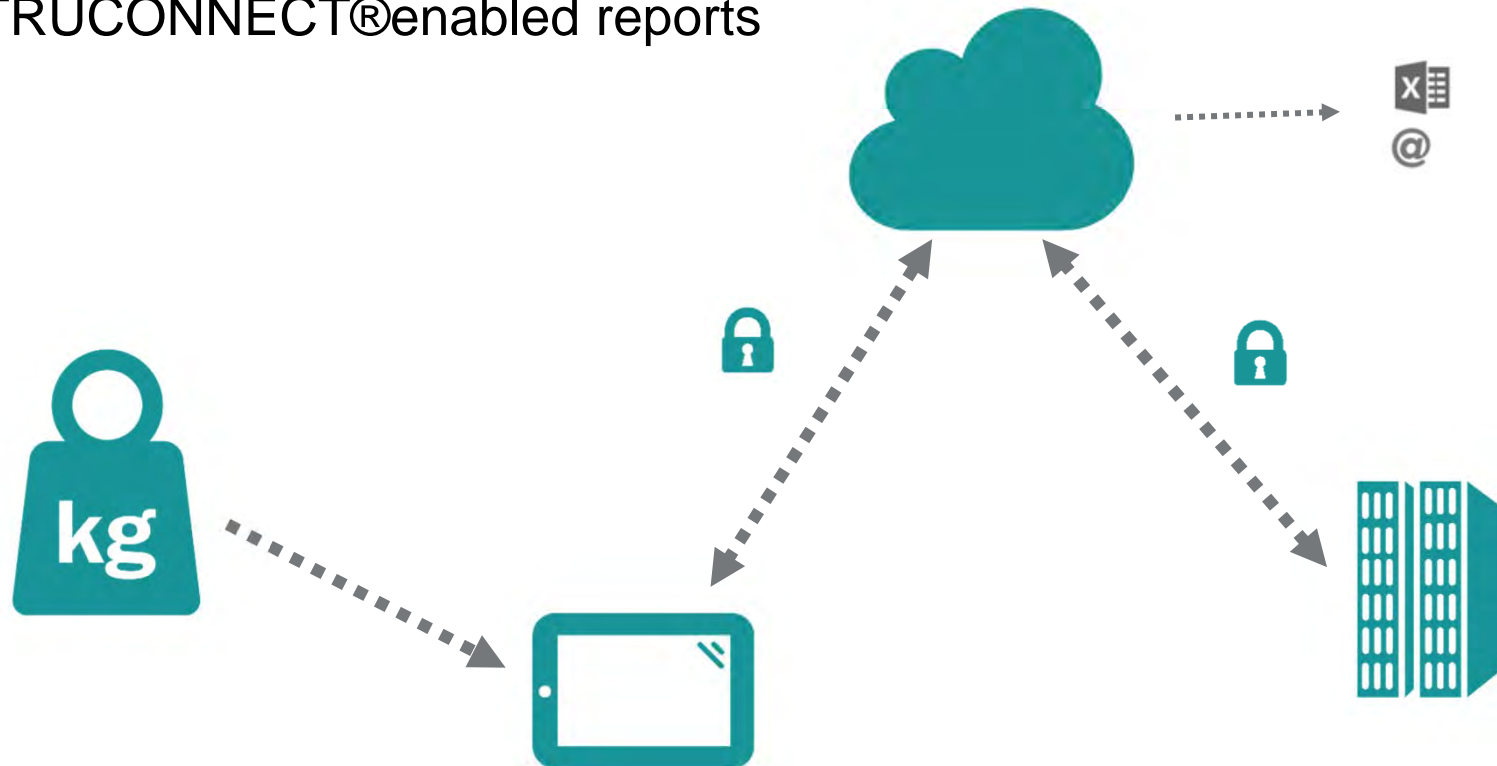
IN-CAB CONNECTIVITY SERVICE

- One way transfer
- VGM wirelessly transferred to existing in-cab VMT/TOS terminal



YOURKONECRANES CLOUD SERVICES

- Seamless integration both ways
- YourKonecranes secure cloud based server
- TRUCONNECT®enabled reports



TRUCONNECT VGM GUI FUNCTION

Activity

Location:

Equipment:
[Show all equipment information](#)

Start date:

By year:

By quarter:

By month:

Timezone for report data:

YOURKONECRANES CLOUD SERVICES

- Weighing System and TOS/TMS or ERP can interchange information about:
 - Verified Gross Mass
 - Container ID
 - Time/date stamp
 - Accountable person
 - Lift truck data
 - Driver's container worklist
 - Container locations
 - ... and more

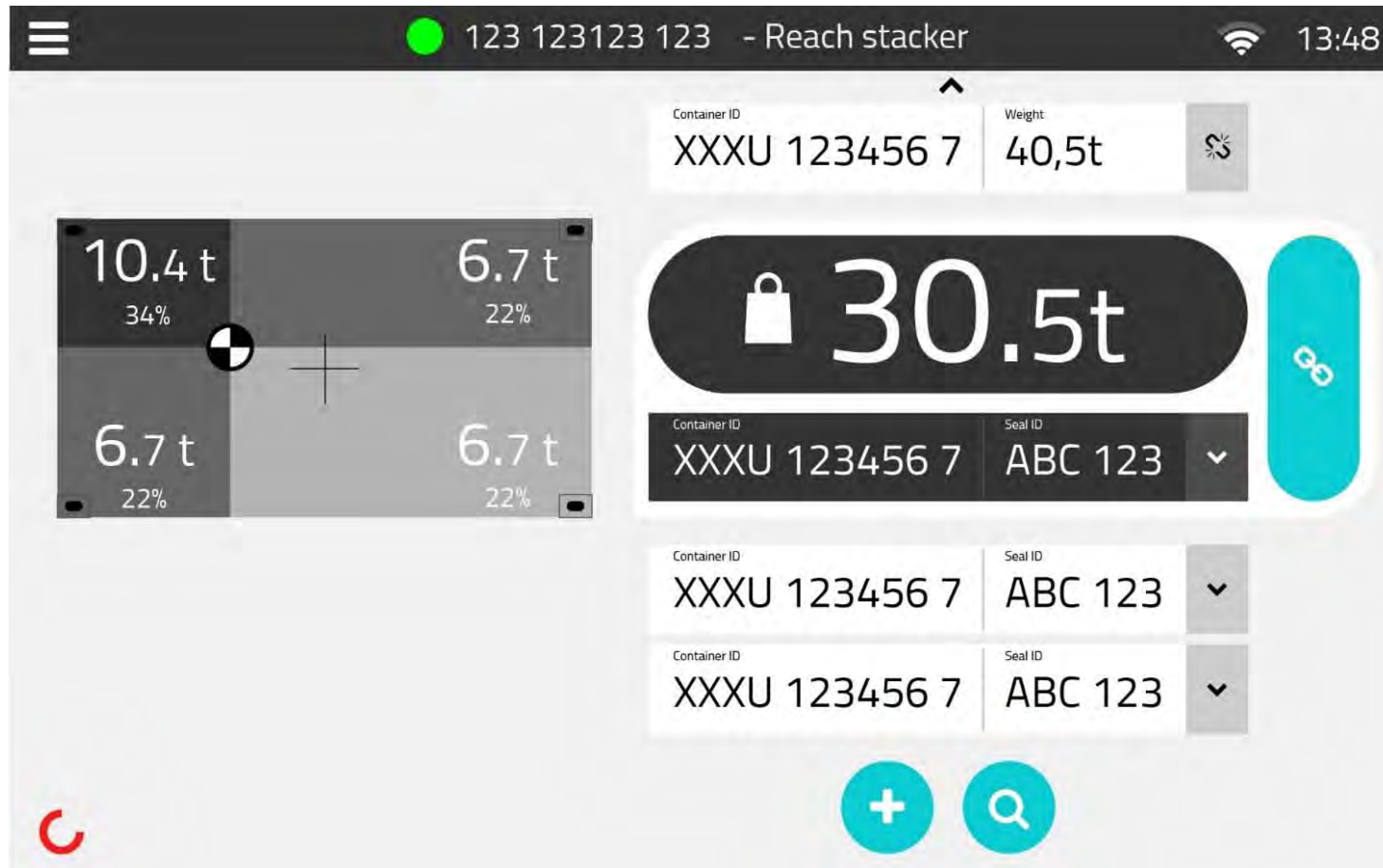


TRUCONNECT VGM REPORT

Customer name Undisclosed
Truck ID M10556
Truck serial number M10556
Local time zone UTC+01:00 Europe/Berlin
Start date 11.06.2016 00:00:00.00
End date 11.07.2016 06:59:00.00
File created 11.07.2016 06:50:37.37

Date	Time (UTC)	Local date	Local time	Container ID	Seal ID	VGM (kg)	Name of accountable person	SOLAS weighing method	GPS latitude	GPS longitude	Load at twistlock front LH side (kg)	Load at twistlock front RH side (kg)	Load at twistlock rear LH side (kg)	Load at twistlock rear RH side (kg)	Driver ID
11.07.2016	06:26:52.52	11.07.2016	08:26:52.52	BMOU-560495-7	915334	15954	M10556	SM1	53.12393	8.73508					
11.07.2016	06:16:01.01	11.07.2016	08:16:01.01	FSCU-662637-2	---	23672	M10556	SM1	53.12322	8.73403					
11.07.2016	05:14:29.29	11.07.2016	07:14:29.29	JBNU-754700-0	---	7628	M10556	SM1	53.12377	8.73457					
11.07.2016	05:05:56.56	11.07.2016	07:05:56.56	JBNU-190500-0	---	5166	M10556	SM1	53.1214	8.7279					
11.07.2016	04:57:50.50	11.07.2016	06:57:50.50	JBNU-216200-0	---	18690	M10556	SM1	53.12358	8.73478					
11.07.2016	04:52:22.22	11.07.2016	06:52:22.22	JBNU-754600-0	---	7850	M10556	SM1	53.12366	8.73518					
11.07.2016	04:43:24.24	11.07.2016	06:43:24.24	MRKU-406569-9	---	10624	M10556	SM1	53.12365	8.7352					
11.07.2016	04:39:39.39	11.07.2016	06:39:39.39	TCLU-701742-5	---	11316	M10556	SM1	53.12362	8.73521					
11.07.2016	04:33:22.22	11.07.2016	06:33:22.22	MSKU-032937-3	---	11480	M10556	SM1	53.12367	8.73519					

DRIVER'S USER INTERFACE



YOURKONECRANES CLOUD SERVICES

- No manual data copy to TOS/TMS or ERP system
- All info automatically associated with container ID
- User interface tablet with container worklist
- Excel reports with full VGM data history
- Email notification with each VGM data record
- TRUCONNECT® remote services monitoring and reports

CAN I HAVE IT?

- Retrofit Konecranes B and C models
- TRUCONNECT® needed for cloud service



SMART CONNECTED LIFT TRUCKS

KONECRANES®
Lifting Businesses™

BOXHUNTER
FOR A WORLD
THAT NEVER
SLEEPS



WE BROUGHT DOWN THE CABIN

The RTG reinvented

- Operator in Heads-Up position
- Direct sight to truck lane





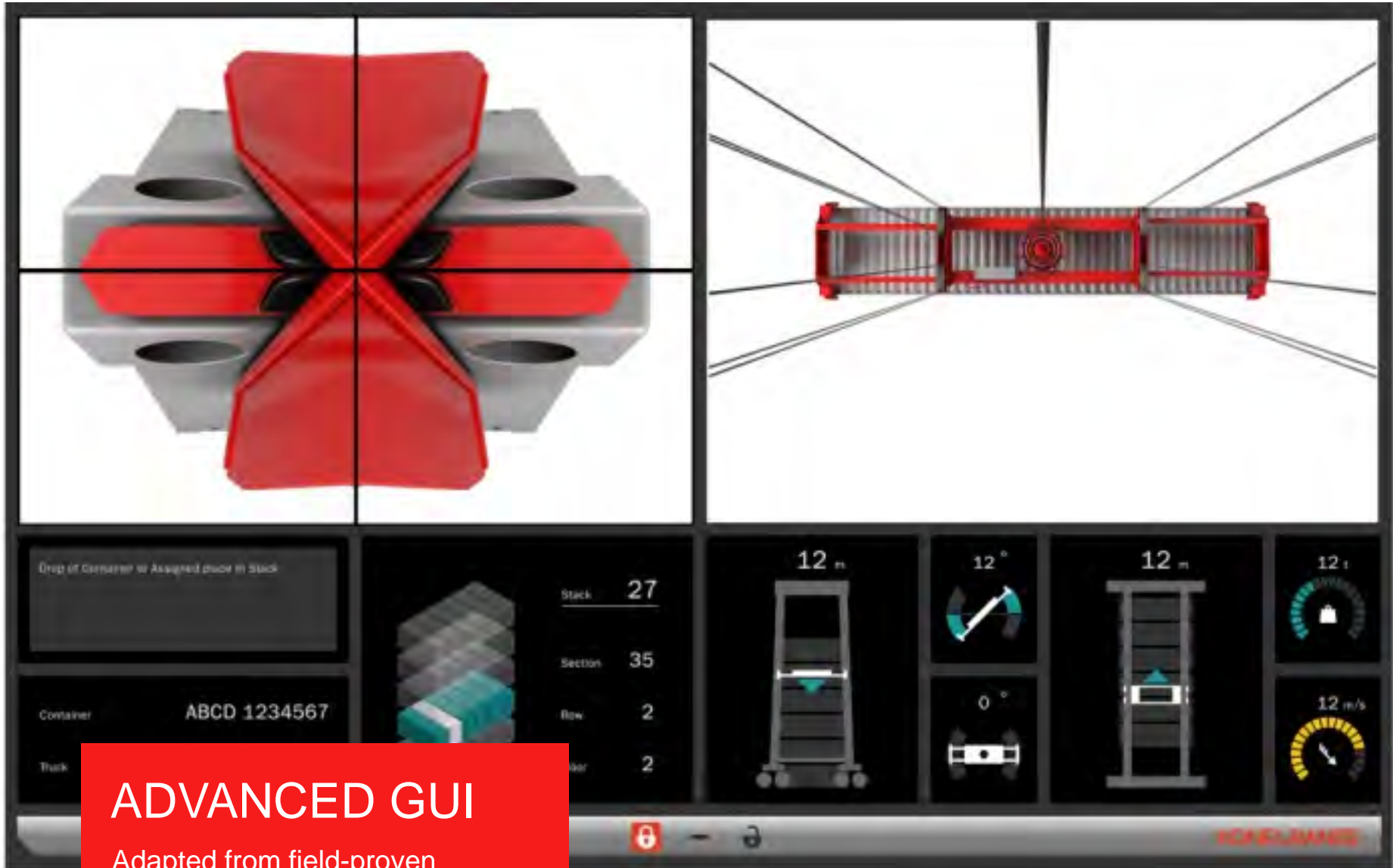
TO THE CABIN
IN SECONDS



BOXHUNTER OPERATING CONCEPT

BOXHUNTER OPERATING CONCEPT





ADVANCED GUI
Adapted from field-proven
Automated Stacking Crane System

BOXHUNTER OPERATING CONCEPT



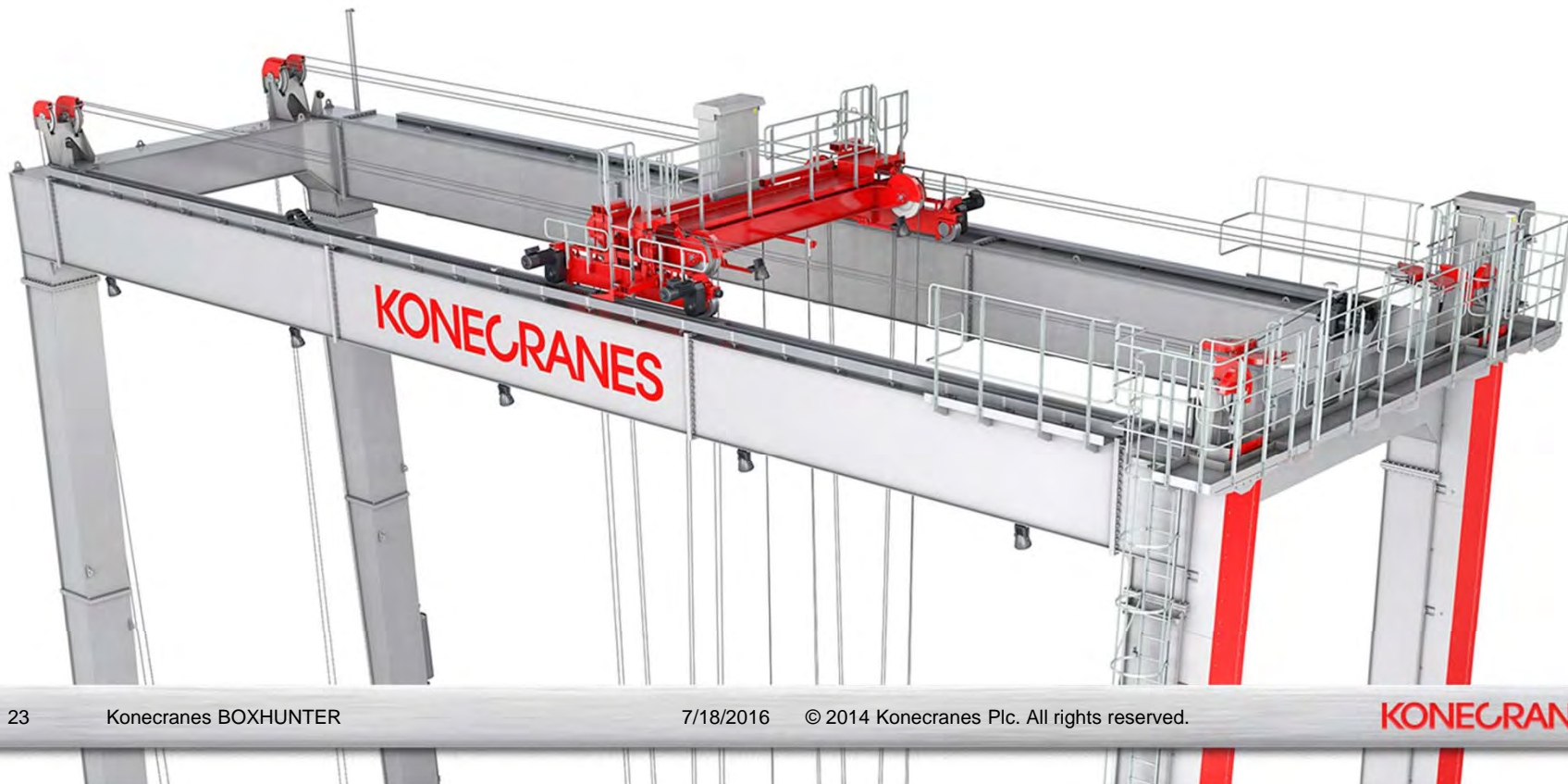
WE BROUGHT DOWN THE MACHINERY

- Easy service access
- Lighter trolley



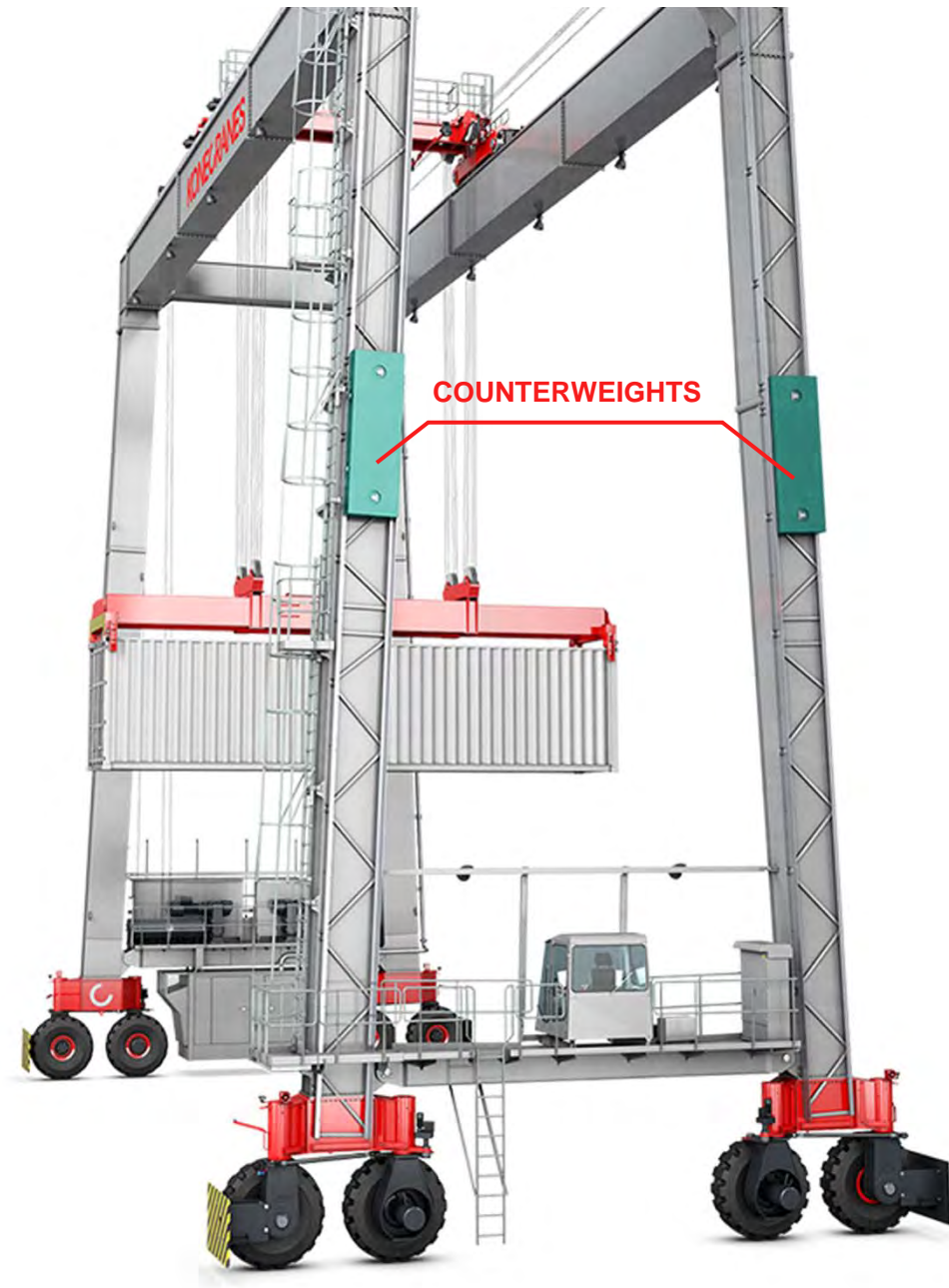
LIGHTER TROLLEY

- Easier maintenance
- Less top-heavy
- Agile drive experience



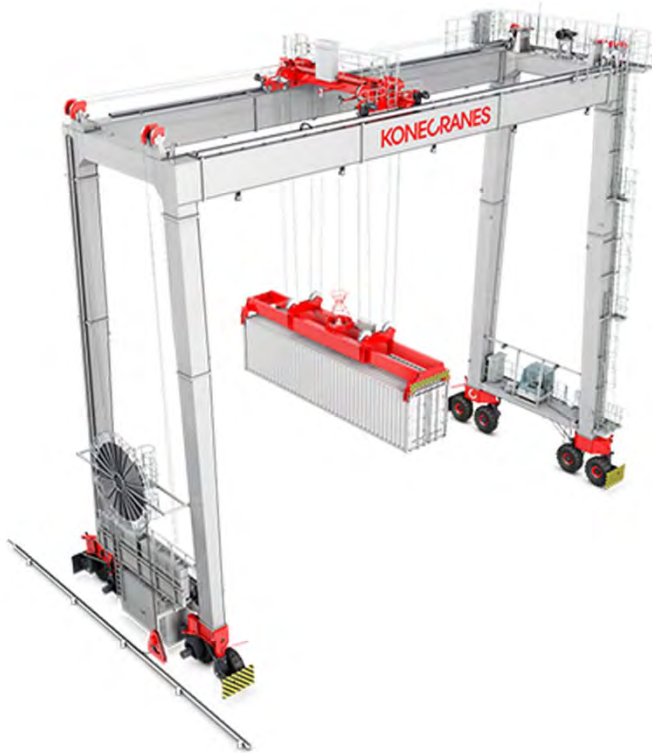
WE BROUGHT UP THE ECO-EFFICIENCY

- Another first in RTGs: counterweights
- On average 25% lighter load with every lift

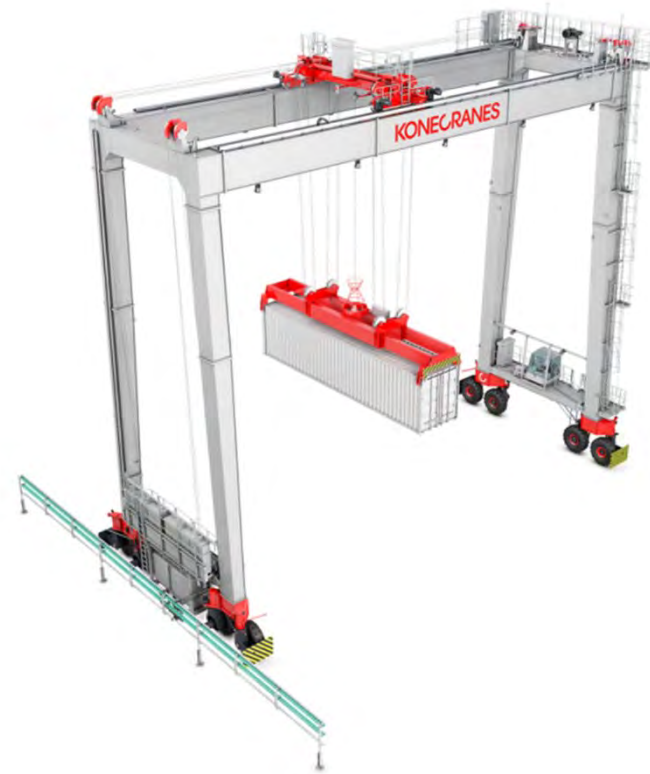


BOXHUNTER ALSO RUNS WITHOUT DIESEL

CABLE REEL



BUSBAR



ALMOST OFF-THE-SHELF

BOXHUNTER IS MODULAR:
an entirely new thing in RTG
design and engineering

DELIVERED IN BOXES

BOXHUNTER is delivered as a regular container shipment



REGULAR CONTAINER SHIPMENT





SERVICE COMES WITH TRUCONNECT®

Makes Konecranes' best technical
global expertise locally available.



VISIT
www.konecranes.com/boxhunter

