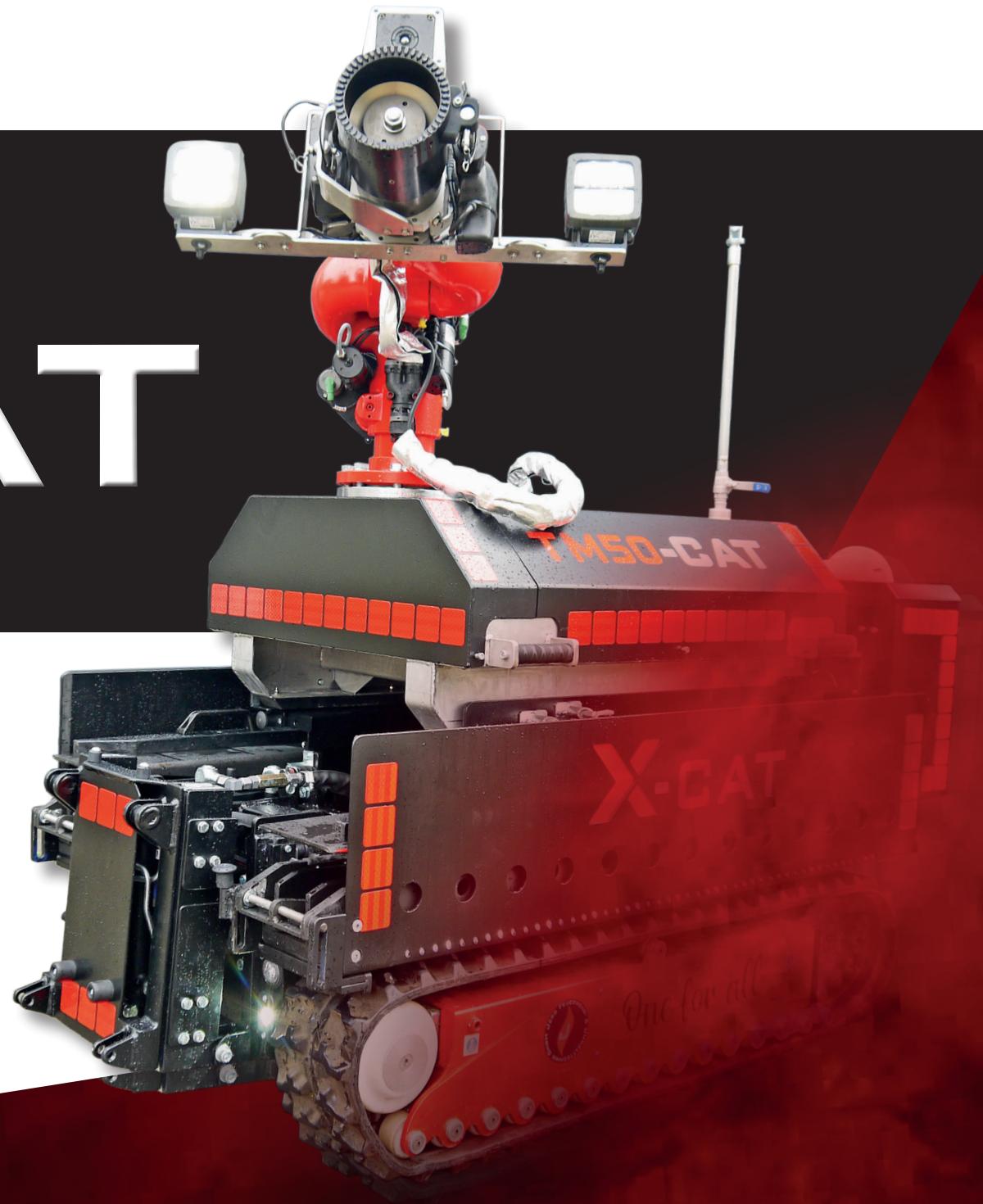


PRODUCT INFO | OCTOBER 2021 STATUS

X-CAT



JERG FEUERWEHR- &
UMWELTTECHNIK GMBH
SCHEMMERBERGER STRASSE 35
88487 MIETINGEN-BALTRINGEN





THE „SWISS ARMY KNIFE“ OF THE FIRE DEPARTMENT

THE X-CAT IS A MODULAR CRAWLER CHASSIS THAT CAN BE USED AS A UNIVERSAL PLATFORM SOLUTION FOR COUNTLESS APPLICATIONS. CONTINUOUS NEW AND FURTHER DEVELOPMENT ENSURES THAT SOLUTIONS CAN ALSO BE PROVIDED FOR FUTURE NEW REQUIREMENTS.

DUE TO ITS OUTSTANDING OFF-ROAD CHARACTERISTICS, IT IS THE IDEAL COMPANION FOR EMERGENCY FORCES, ESPECIALLY ON DIFFICULT SURFACES AND UNDER DIFFICULT CONDITIONS.

1005459

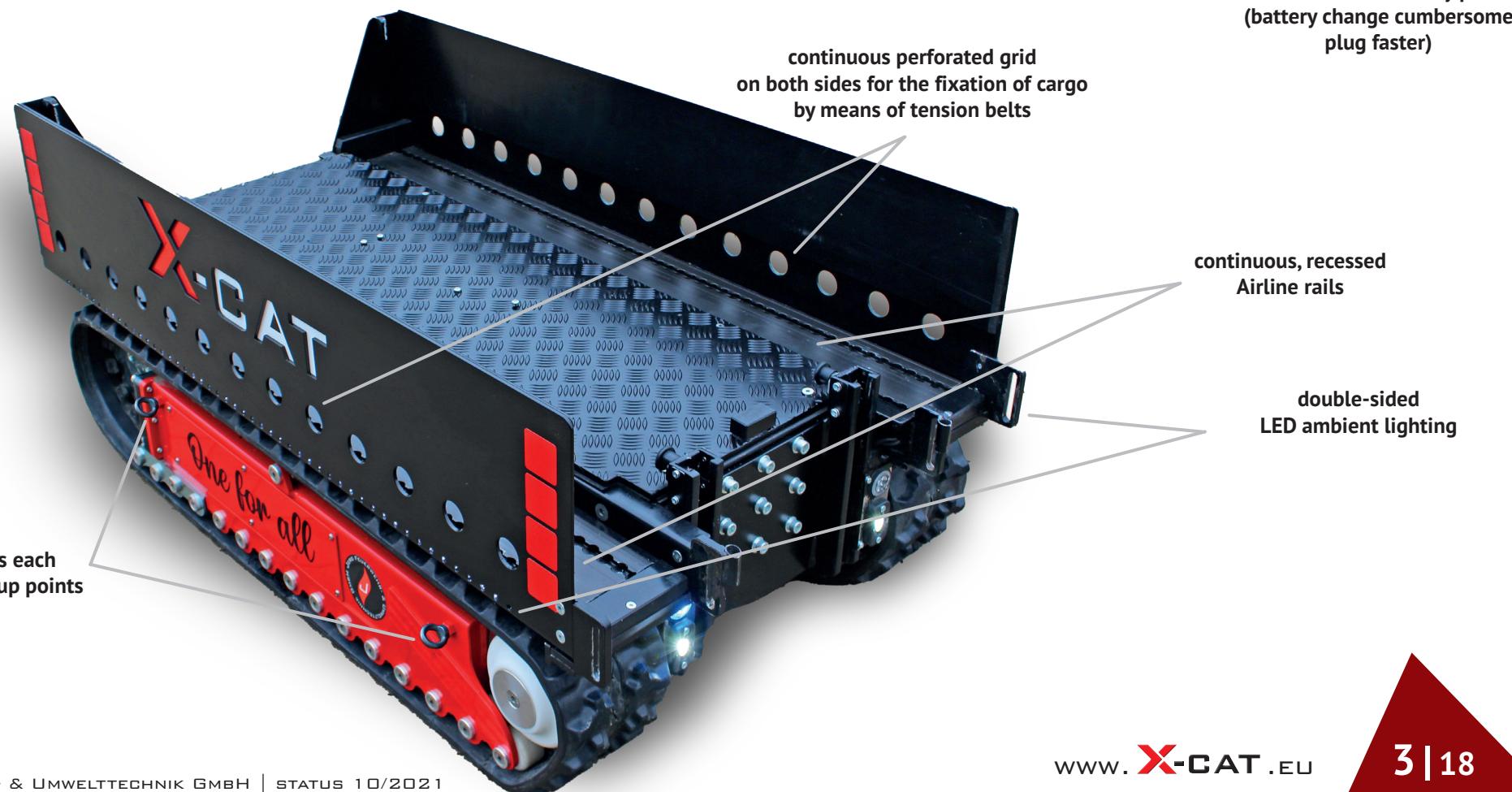
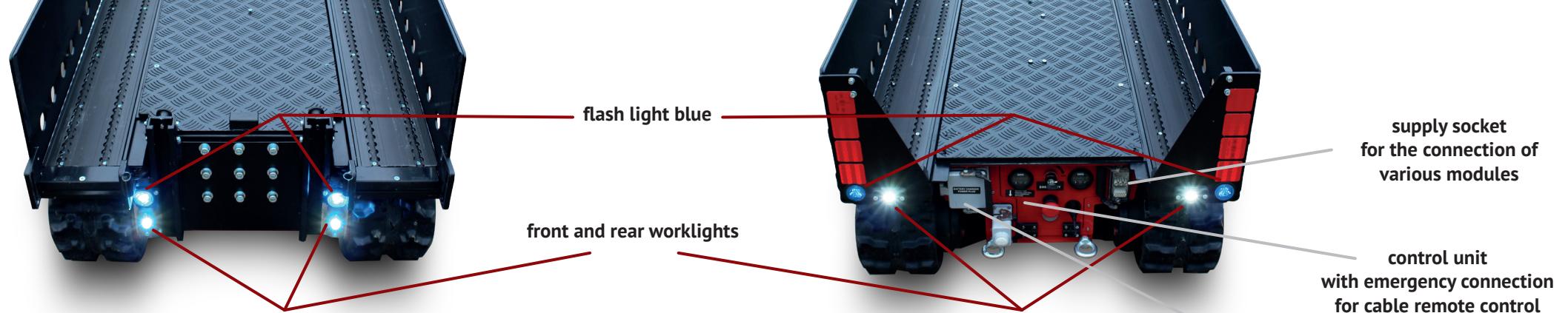
X-CAT

BASIC CRAWLER CHASSIS WITH RADIO REMOTE CONTROL

- ▶ LENGTH 1500 MM
- ▶ WIDTH 825 MM
- ▶ HEIGHT 650 MM
- ▶ EMPTY WEIGHT 595 KG
- ▶ VERY GOOD OFF-ROAD CAPABILITY DUE TO A STAIR CLIMBING ABILITY OF APPROX. 65 %
- ▶ PAYLOAD: MAX. 650 KG
- ▶ TENSILE LOAD: TWO FILLED
- ▶ B-PRESSURE HOSE LINES OVER 160 M OR
- ▶ ONE FILLED A-PRESSURE HOSE LINE OVER 200 M

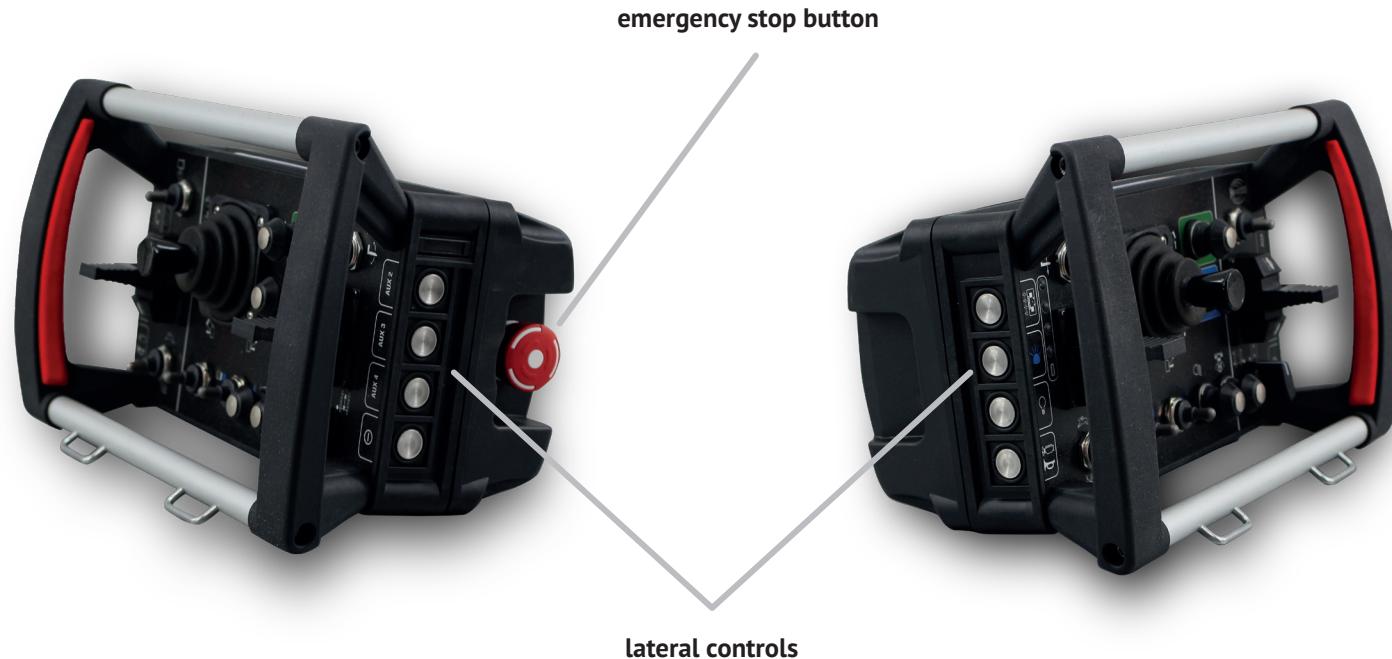
TECHNICAL DATA OF THE CRAWLER CHASSIS

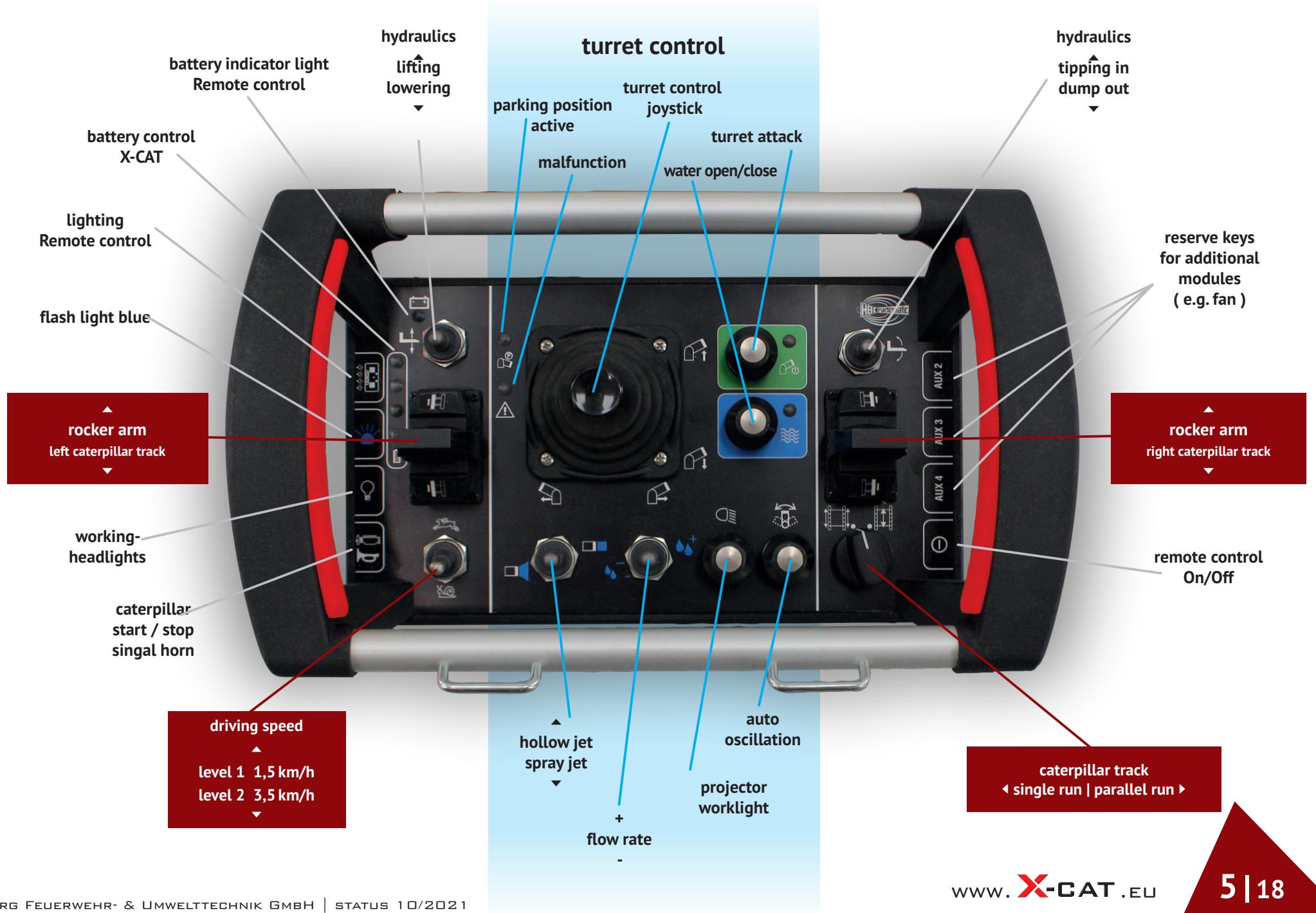
- ▶ ELECTRIC DRIVE VIA TWO 48 V ELECTRIC MOTORS WITH TWO SPEED LEVELS:
LEVEL 1 (1.5 KM/H)
LEVEL 2 (3,5 KM/H)
- ▶ AUTOMATIC MAGNETIC BRAKE
- ▶ BATTERIES: AGM 4 X 12 V/115 AH C20 INCLUDING CHARGER 230 V/48 V WITH QUICK CHARGE FUNCTION
- ▶ RUNNING TIME: IN CONTINUOUS OPERATION AT MEDIUM LOAD AT LEAST 6 HOURS



RADIO REMOTE CONTROL WITH CARRYING STRAP

- ▶ RANGE 120 M
- ▶ PROTECTION CLASS IP67
- ▶ WEIGHT 2,4 KG
- ▶ TWO 3.6 V RECHARGEABLE BATTERIES WITH OVER 6 HOURS RUNNING TIME (INCLUDING CHARGER)
- ▶ OPTICAL AND VIBRATION WARNING IN CASE OF
- ▶ LOW BATTERY LEVEL OF THE CRAWLER UNDERCARRIAGE
- ▶ FUNCTIONS OF THE ADDITIONAL MODULES INTEGRATED TURRET AND HYDRAULIC UNIT
- ▶ FIRE DEPARTMENT COMPATIBLE CONTROL ELEMENTS AS KNOB-TOGGLE CONTROL WITHOUT ERROR-PRONE TOUCH USER INTERFACE





RCS-CAT 1005463

QUICK SECURING SYSTEM WITH DRIVE-ON RAMPS FOR ROLL CONTAINERS

- ▶ CENTER-FOLDED DRIVE-ON RAMPS FIRMLY CONNECTED TO THE CHASSIS
- ▶ 4-POINT SECURING OF JERG ROLL CONTAINERS BY MEANS OF QUICK-LOCKING SYSTEM
- ▶ SPACE-SAVING TRANSPORT POSITION BY FOLDING AND LOWERING ON THE CHASSIS
- ▶ RAMPS IN 90° POSITION FIXABLE AND REMOVABLE



THE RCS-CAT RAMP SYSTEM CAN LOAD ALL JERG ROLL CONTAINERS EASILY AND IN SECONDS DUE TO THE SPECIAL 4-POINT QUICK-LOCKING SYSTEM.

OTHER ROLL CONTAINERS ON THE MARKET ACCORDING TO AGBF WITH THE BASIC DIMENSIONS L X W 1200 X 800 MM AND A MAXIMUM WEIGHT OF 650 KG CAN ALSO BE LOADED WITHOUT ANY PROBLEMS AND SECURED VIA THE AIRLINE RAILS OR WITH TENSION BELTS.



SB-CAT

1005467

FOLDABLE PLASTIC TRANSPORT BOX

- LENGTH 1200 MM
- WIDTH 800 MM
- HEIGHT 1000 MM
- 420 MM FOLDED
- INCLUDING QUICK LOCKING SYSTEM
- FLAPS INTEGRATED ON 4 SIDES



RCL-CAT 1006464

ROLL CONTAINER MODUL FAN 3

MGV L80 II CITY - FAN

- ▶ ELECTRICAL INCLINATION RANGE FROM $\pm 20^\circ$
- ▶ 4-CYLINDER COMBUSTION ENGINE (24 L) WITH 16,5 kW WITH ELECTRIC START AND SEPARATELY MOUNTED IMPELLER
- ▶ AIR CAPACITY
EFFECTIVE MAX. 220.00 M³/H
NOMINAL APPROX. 70.000 M³/H
- ▶ RUNNING TIME AT FULL LOAD APPROX. 4 HOURS
- ▶ 8 WATER MIST NOZZLES E.G. FOR COOLING FLOW RATE APPROX. 170 L/MIN / 7 BAR

perfectly complementable
with RC fan accessories
1002765



REMOTE CONTROLLED FAN SOLUTION

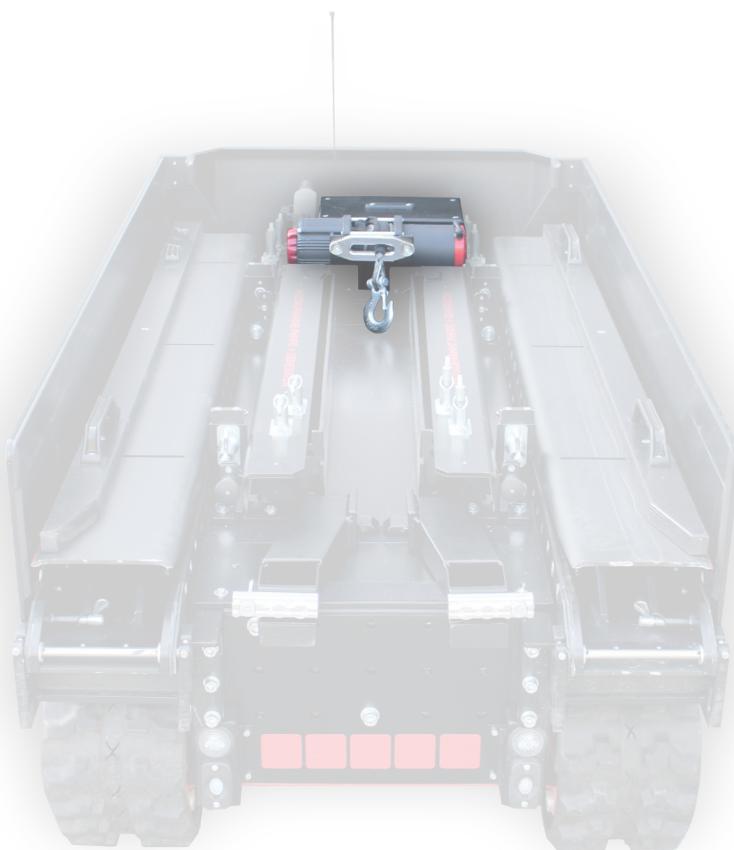
- ▶ LENGTH 1200 MM
WIDTH 1050 MM
HEIGHT 1850 MM WITH FAN AND 200 MM ROLLERS
- ▶ WEIGHT 165 KG
- ▶ CAN BE COMBINED WITH CAMERA SOLUTION



RCW-CAT 1005468

WINCH MODULE WITH RADIO REMOTE CONTROL

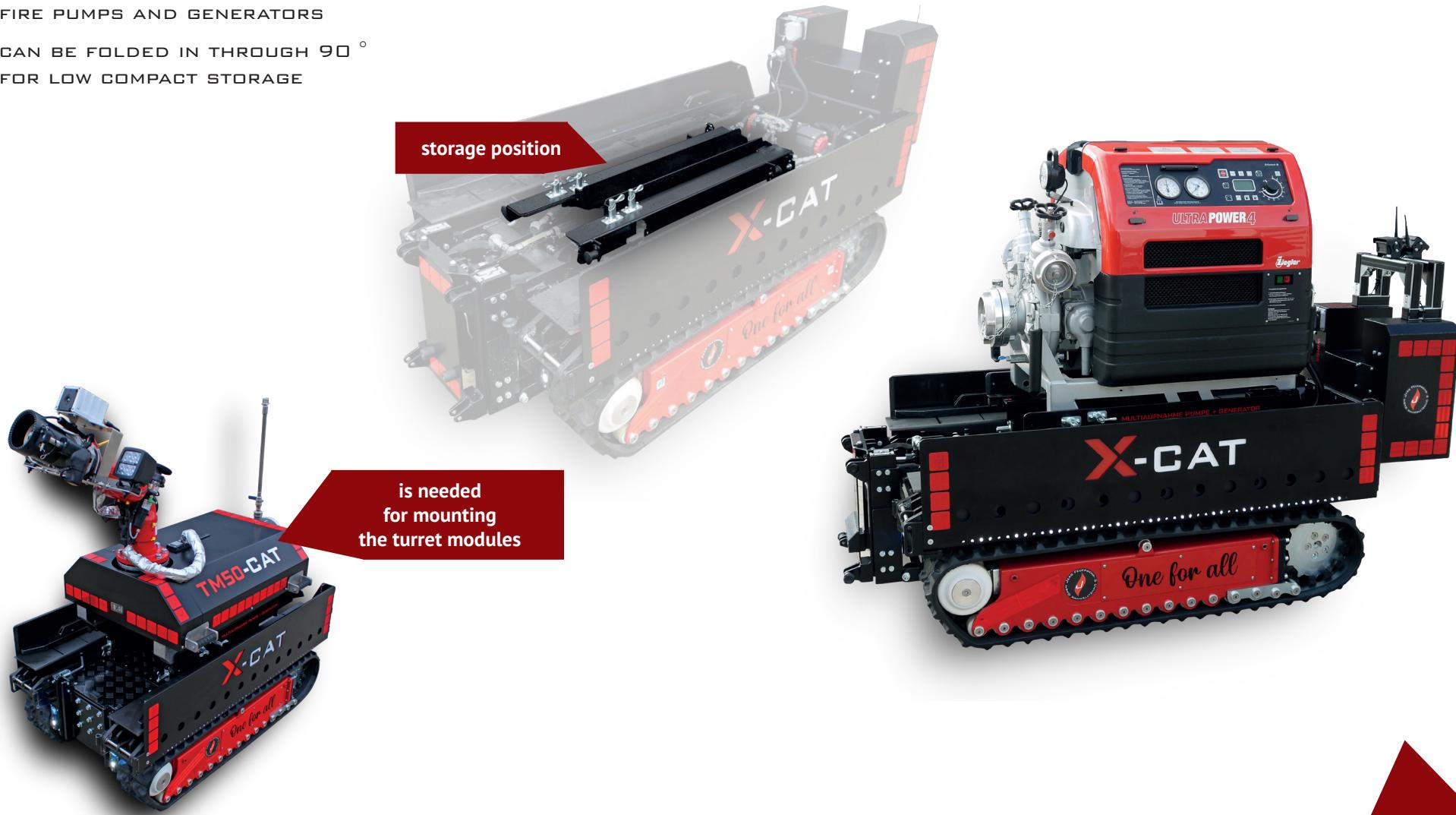
- ▶ 2000 KG TRACTIVE FORCE
- ▶ FREEWHEEL SWITCH
- ▶ 15 M SYNTHETIC ROPE WITH SNAP HOOK
- ▶ INCULSIVE RADIO REMOTE CONTROL



PGS-CAT 1005469

MULTI RECEPTACLE FOR PUMPS AND GENERATORS

- STANDARD COMBINATION MOUNT (GERMAN FIRE DEPARTMENT STANDARD) FOR ALL PORTABLE FIRE PUMPS AND GENERATORS
- CAN BE FOLDED IN THROUGH 90 ° FOR LOW COMPACT STORAGE



TM30-CAT & TM50-CAT

FULLY REMOTE CONTROLLED, PROGRAMMABLE TURRET MODULES

- ▶ AUTO OSCILLATION
- ▶ SWIVEL RANGE
HORIZONTAL: $\pm 165^\circ$ | VERTICAL: -40° bis $+70^\circ$
- ▶ LED WORKLIGHT 2 x 4800 LUMEN
- ▶ WATER MUSHROOM AS HEAT PROTECTION UP TO 875°C ,
THERMAL WAVES UP TO 1000°C
- ▶ 24V OPERATING VOLTAGE
- ▶ COMPLETE OPERATION VIA
BASIC RADIO REMOTE CONTROL
- ▶ WITH STANDARD MOUNTING LIKE PORTABLE PUMP MODULE IS
INSERTED INTO PGS-CAT AND LOCKED, AFTER PLUGGING IN THE
CONNECTING CABLE TO THE CRAWLER TRACTION UNIT THE TURRET
IS READY FOR OPERATION



1005460

TM30-CAT
TURRET MODULE 3000L

- ▶ FLOW RATE MAX. 3000L/MIN AT 8 BAR
THROWS WATER APPROX. 60M
- ▶ ELECTRICALLY CONTROLLED BUTTERFLY VALVE DN80/24V
- ▶ MULTI-PURPOSE NOZZLE 200-3000L/MIN AT 8 BAR
- ▶ WATER INLET DN100 WITH 1x STORZ B OR 2x STORZ B

1005461

TM50-CAT
TURRET MODULE 5000L

- ▶ FLOW RATE MAX. 5000L/MIN AT 8 BAR
THROWS WATER APPROX. 80M
- ▶ ELECTRICALLY CONTROLLED BUTTERFLY VALVE DN100/24V
- ▶ MULTI-PURPOSE NOZZLE 300-5000L/MIN AT 8 BAR
- ▶ WATER INLET DN100 WITH 1x STORZ A OR 2x STORZ B

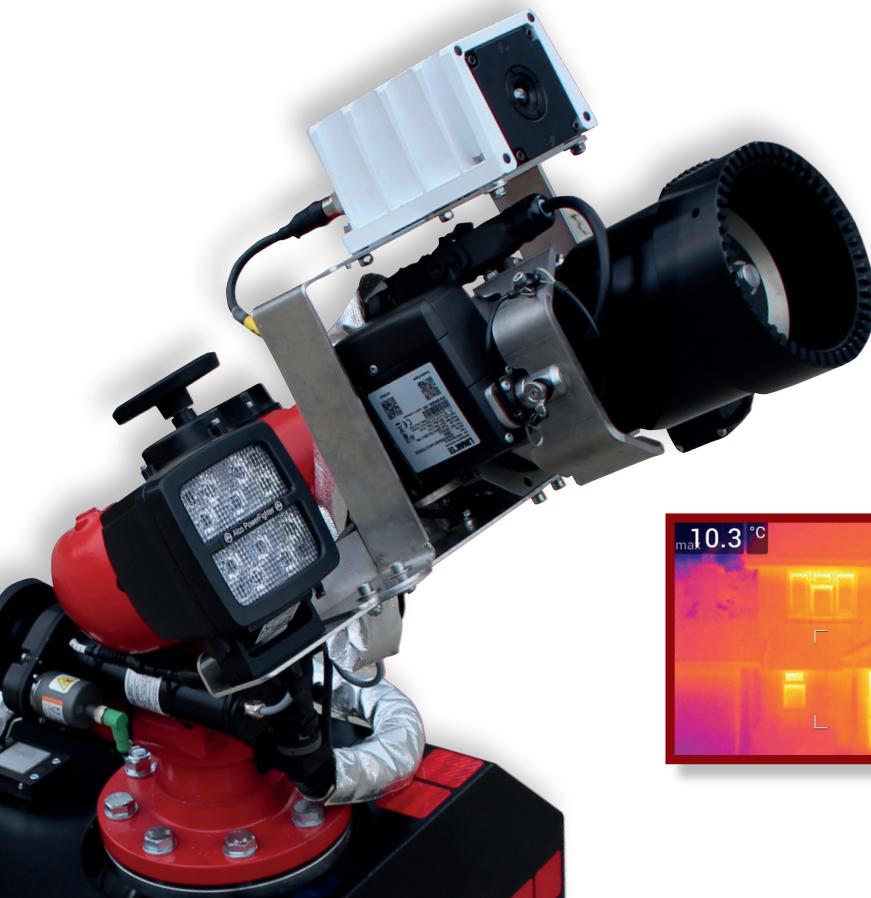


TTCM-CAT

1005462

THERMAL IMAGING RADIO CAMERA MODULE

- < 1,3 KG WEIGHT
- LENGTH 260 MM
WIDTH 105 MM
HEIGHT 90 MM
- HOUSING IP 67 (IEC 605 29)
- SHOCK RESISTANCE IEC 600 68-2-27,
25G PEAK HALF-SINE VIBRATION RESISTANCE
- IEC 600 68-2-6, 0.15 MM 10Hz TO 58 Hz
AND 2G 58 TO 500 Hz



IMAGING AND OPTICAL DATA

- IR RESOLUTION
PAL 640 X 512 PIXEL
NTSC 640 X 480 PIXEL
- FIELD OF VIEW (FOV)
69° X 56°
- THERMAL SENSITIVITY
<100 MK AT F/1.4
- APERTURE VALUE (F) 1.4
- FRAME RATE
PAL 25 Hz
NTSC 30 Hz
- FOCUS FIXED
- IMAGE DISPLAY
BASIC FIREFIGHTING MODE

DETECTOR DATA

- DETECTOR TYPE FOCAL PLANE
ARRAY, UNCOOLED MICROBO-
LOMETER
- SPECTRAL RANGE 7.5-14 µm

MEASUREMENT ANALYSIS

- SPOTMETERS 1
- ISOTHERM YES

MEASUREMENT

- OBJECT TEMPERATURE RANGE-
HIGH GAIN RANGE -25 °C TO
+135 °C
LOW GAIN RANGE
-40 °C TO +550 °C
- FLEXIBLE SCENE ENHANCEMENT
YES
- ACCURACY ±5 °C OR ±5%
IN HIGH GAIN RANGE

POWER SUPPLY SYSTEM

- SWITCH-ON TIME
<20 SEKUNDEN (17 s)
- POWER AND VIDEO CONNECTOR
MIL-C-38999, 13-POLIG
- POWER SUPPLY 10-32 VDC

ENVIRONMENTAL CONDITIONS

- OPERATING TEMPERATURE RANGE
-32 °C TO +65 °C
STORAGE TEMPERATURE RANGE
-40 °C TO +70 °C
- HUMIDITY IEC 600 68-2-30
(OPERATION AND - STORAGE)
24 HOURS, 95 % RELATIVE HU-
MIDITY, 25-40 °C, 2 CYCLES
- EMV - EN 61000-6-2:2005
(INTERFERENCE IMMUNITY)

JERG FEUERWEHR- &
UMWELTTECHNIK GMBH

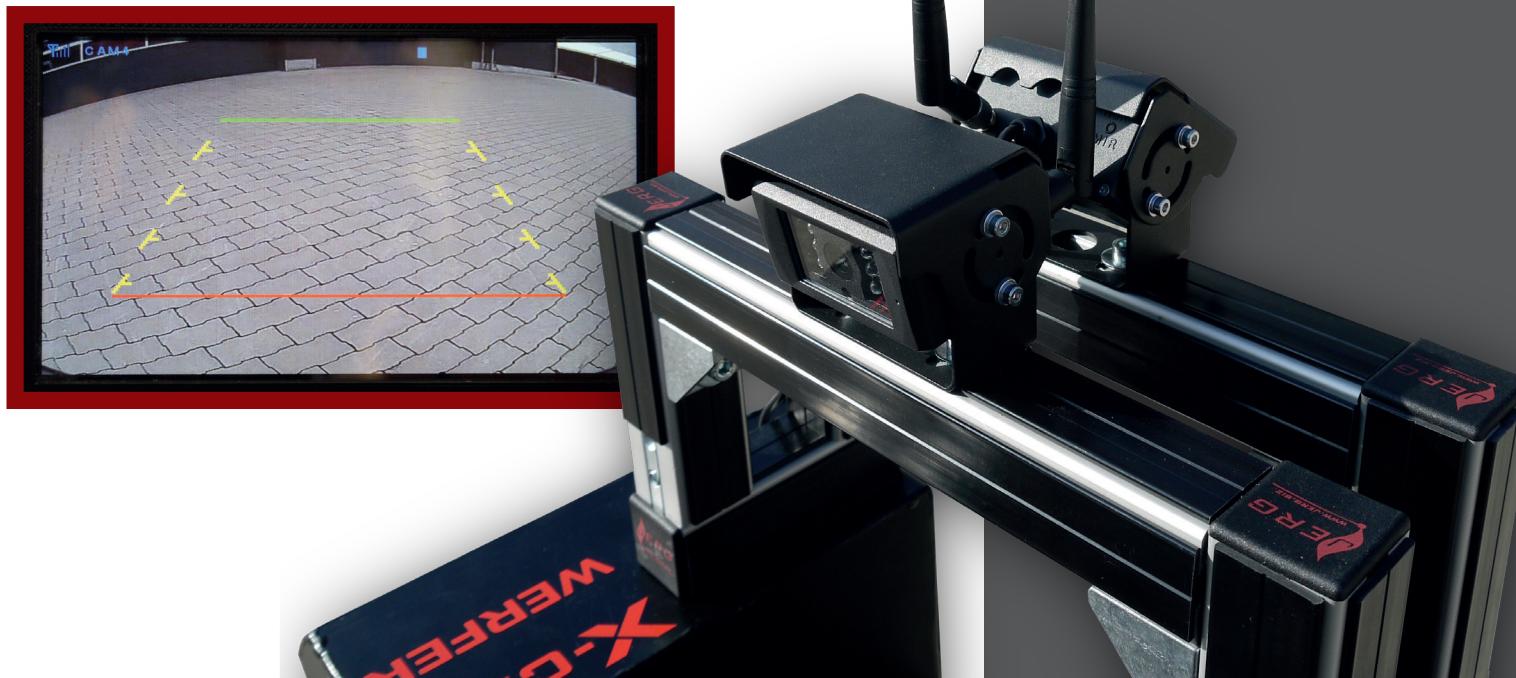
WWW. **X-CAT**.EU

DCM-CAT

1005470

DRIVING RADIO CAMERA MODULE - FRONT AND REAR

- ▶ WIDTH 96 MM
- ▶ HEIGHT 70 MM + ANTENNA
- ▶ DEEP 75 MM
- ▶ 500 TV LINES
- ▶ MECHANICAL VIBRATION 10 G
- ▶ OPERATING TEMPERATURE -20°C BIS +70°C
- ▶ IP69K



TECHNICAL DATA

- ▶ 1/3 " CMOS
- ▶ 160°/60° VIEWING ANGLE
- ▶ RESOLUTION
768 x 576 PIXEL
- ▶ DAY / NIGHT SENSOR
- ▶ AUTOMATIC WHITE BALANCE
- ▶ DRIVING AID LINES CONFIGURABLE

FBM-CAT 1006463

4-FOLD DIVISIBLE 7" RADIO COLOR MONITOR

- ▶ ANTI-REFLECTIVE SCREEN WITH INTEGRATED SPEAKERS
- ▶ PROTECTION CLASS IP67
- ▶ RADIO RANGE APPROX. 120M
- ▶ MECHANICAL VIBRATION 7G
- ▶ WIDTH 213 MM
HEIGHT 138 MM + ANTENNA
DEPTH 41 MM
- ▶ 2-FOLD EXCHANGEABLE BATTERY WITH QUICK CHARGER
- ▶ RECORDING FUNCTION
- ▶ SUN VISOR INCLUDED



TECHNICAL DATA

- ▶ TRANSMISSION FREQUENCY 2.4 GHz
- ▶ RESOLUTION 800 X 480 PIXEL
- ▶ CONTRAST 500:1
BRIGHTNESS 400 CD/M²
VIEWING ANGLE
SIDeways 70° | TOP 50° | BOTTOM 70°
- ▶ AUTOMATIC DIMMING
- ▶ DISTANCE MARKINGS ON THE SCREEN
- ▶ MIRROR & NORMAL VIEW
- ▶ MULTILINGUAL MENU

HM-CAT

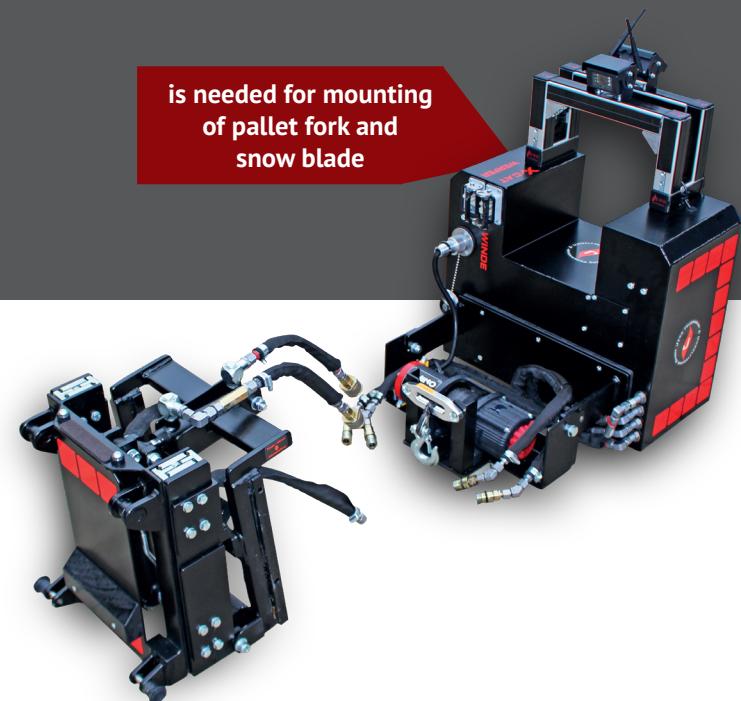
1005464

HYDRAULIC MODULE

- ▶ HYDRAULIC UNIT WITH 48 V-PUMPE AND LOAD HOLDING VALVE HYDRAULIC HOSE
- ▶ QUICK RELEASE SYSTEM
- ▶ LIFTING CAPACITY MAX. 500 KG
- ▶ HEIGHT ADJUSTABLE FRONT ADAPTERPLATE FOR 2 DRIVING POSITIONS
1. STANDARD | 2. STAIRS / TERRAIN



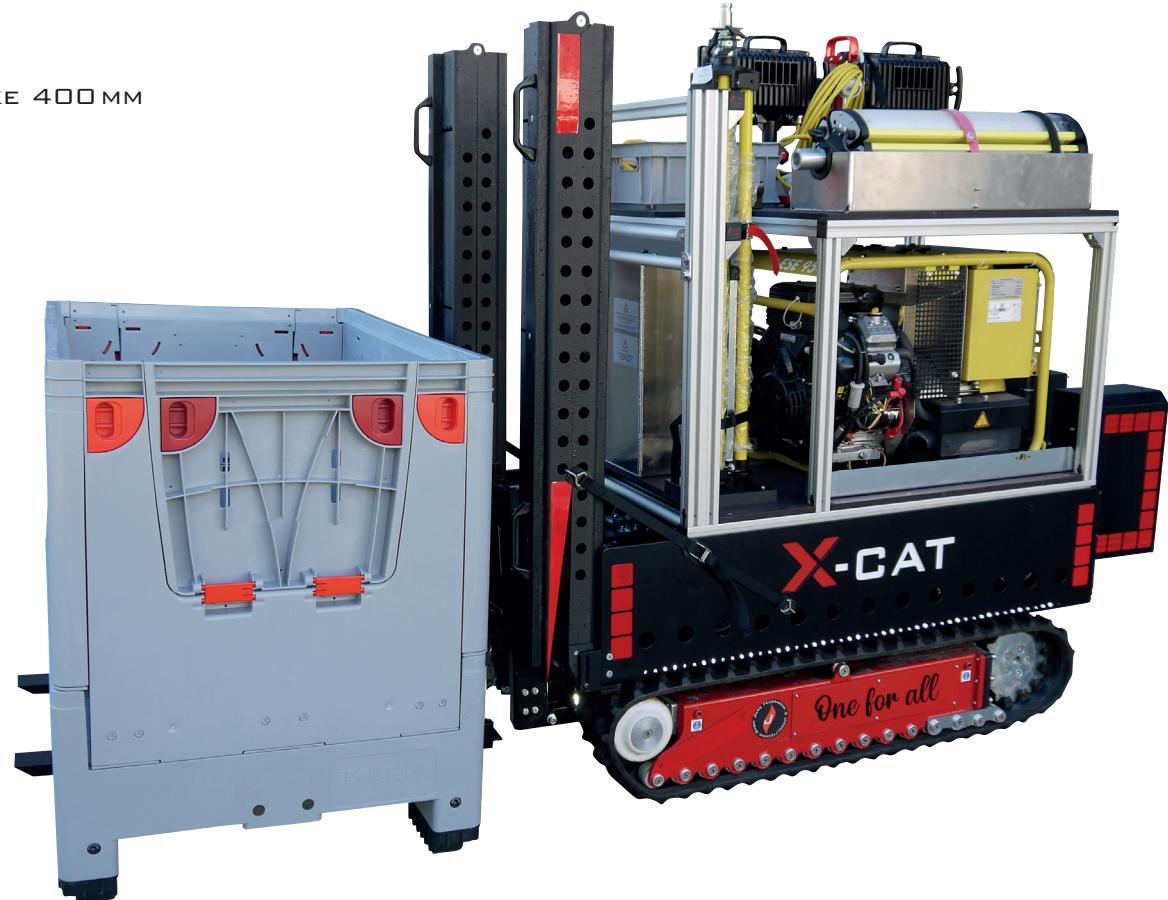
THE HM-CAT HYDRAULIC MODULE, WHICH CAN BE CONNECTED AND DISCONNECTED WITH LITTLE EFFORT, CAN BE RAISED AND LOWERED AS WELL AS TIPPED IN AND OUT VIA THE STANDARD RADIO REMOTE CONTROL OF THE CRAWLER CHASSIS. IT ENABLES A WIDE RANGE OF APPLICATIONS THANKS TO THE OPTIONAL AVAILABILITY OF MODULES WITH QUICK-ATTACH SYSTEM.



HMF-CAT 1005465

HYDRAULIC MODULE PALLET FORK

- ▶ FORK LENGTH 900 MM
- ▶ LOAD CAPACITY 500 KG
- ▶ FUNCTIONS
 - LIFTING - LOWERING | TIPPING IN - TIPPING OUT | STROKE 400 MM
 - FORK CENTER FIXATION IN SEVERAL DETENTS
- ▶ FORK CAN BE FOLDED DOWN AND UP 90 °,
CAN BE FIXED WHEN FOLDED UP

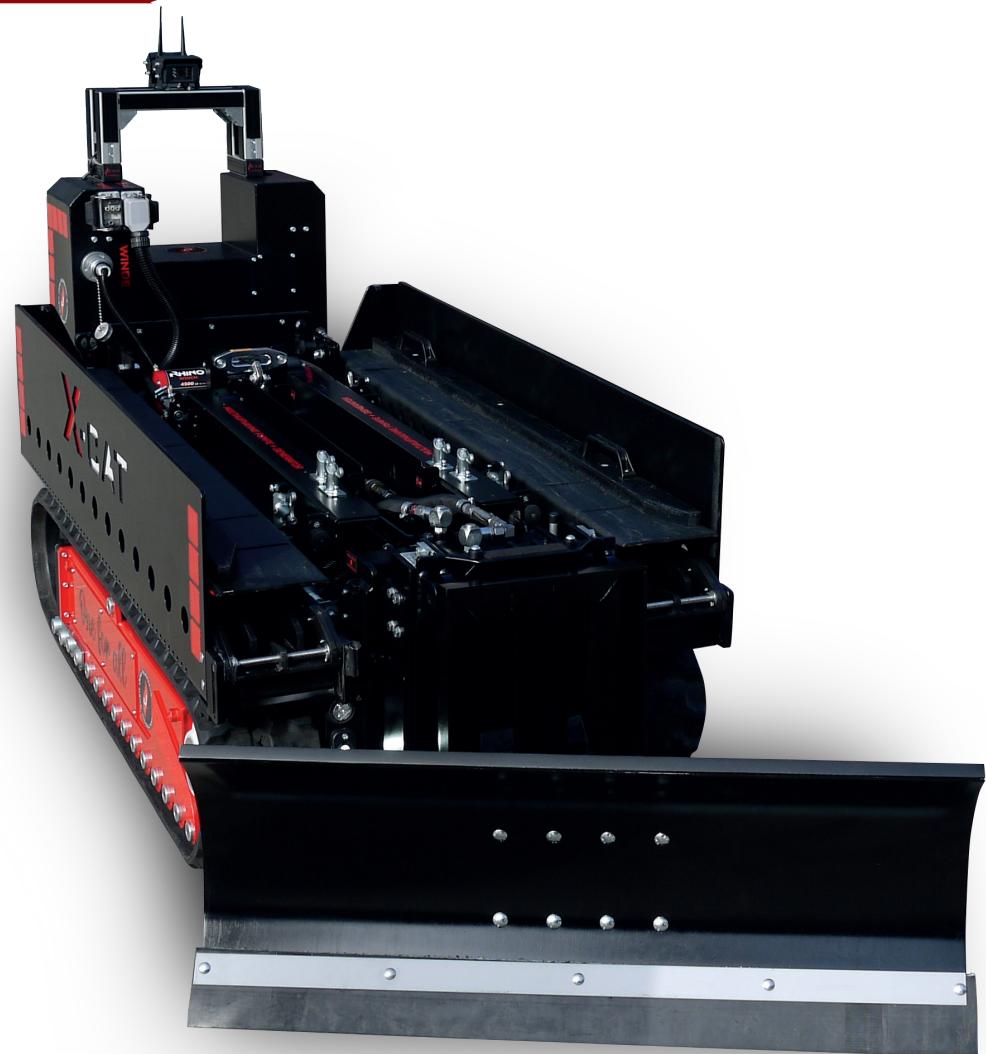
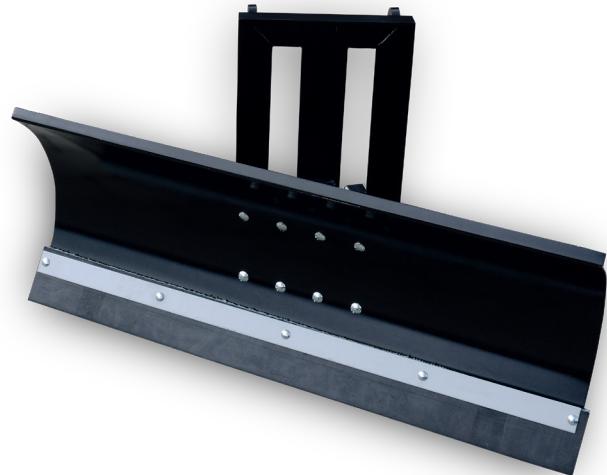


HMSI-CAT

1005466

HYDRAULIC MODULE SNOW BLADE

- ▶ WIDTH 1000 MM
- ▶ HEIGHT 350 MM
- ▶ FUNCTIONS
 - LIFTING - LOWERING | TIPPING IN - TIPPING OUT | STROKE 400 MM
 - ANGLE ADJUSTMENT 0° - 30° TO THE LEFT AND RIGHT
- ▶ RUBBER LIP SCREWED AND REPLACEABLE



WEITERE MODULE



- NAK-CAT - ADDITIONAL BATTERY PACK IN CASE
LITHIUM IONEN, 48V/90AH, IP65

1006465



- AK-CAT - TRAILER HITCH

1006466

DO YOU HAVE ANY FURTHER
QUESTIONS OR
WOULD YOU LIKE A COMPREHENSIVE
CONSULTATION ON THE
X-CAT?

THEN PLEASE FEEL FREE TO CONTACT US
AT **INFO@JERG.BIZ**

JERG FEUERWEHR- &
UMWELTTECHNIK GMBH
SCHEMMERBERGER STRASSE 35
88487 MIETINGEN-BALTRINGEN

