



UON POWER AIR WATER



**IR SYSTEMS**

# ENGINEERED FOR SAFETY



**FAIL SAFE DISK  
BRAKE SYSTEM**

**SAFER  
INSTALLATION**

**REDUCED INSTALLATION  
& REMOVAL TIME**

## CHOOSE UON FOR SAFETY

UON have worked and consulted with major mining companies in order to develop the iR Systems that are designed to install and remove submersible pumps with major emphasis on increased safety and reduced installation time.

**LEFT**  
Truck Mounted IR System

**HYDRAULIC HOSE  
CLAMPING SYSTEM**

**REMOTE CONTROL  
OPERATION**

**SAFETY PROXIMITY SWITCHES  
ON ALL ACCESS POINTS**

## GENERAL FEATURES

- Hydraulic flexible rising main clamp
- Flexible Rising Main tensioner
- Radio remote hydraulic control
- Removable Flexible Rising Main winch with linepull @ 7m per minute
- Break off plug system winch 40m per minute
- Removable electrical cable drum with capacity of up to 220m of submersible cable
- Reel capacity of 200 m of 4/6 inch flexible rising main
- Break off plug system torpedo winch capacity of 220m by 6mm diameter.
- Self banded and enclosed generator
- Hydraulic stabiliser legs
- 2 x 9kg Fire extinguishers
- Remote grease points
- S/CAM pneumatic brakes (trailer mounted only)
- 75 mm ringpull coupling (trailer mounted only)
- LED Lights (trailer mounted only)
- 4 wheel chocks & holders (trailer and truck mounted only)
- Hydraulic reel storage stand (optional)
- Tool box

# SYSTEM BENEFITS

## A MOBILE SOLUTION FOR THE INSTALLATION & REMOVAL OF SUBMERSIBLE PUMPS

- Reduces installation and removal time of submersible pumps through innovation and process control
- Increases productivity with less personnel required to complete works safely
- Remote control system allows personnel to lower and lift pump from a safe distance
- Standardised installation and removal process
- Eliminates the need to work under a suspended load
- Reduces fatigue by reducing manual handling

FOR

**MINING**

**OIL AND GAS**

**AGRICULTURE**

**MUNICIPAL INFRASTRUCTURE**

**COMMERCIAL**

**INDUSTRIAL**

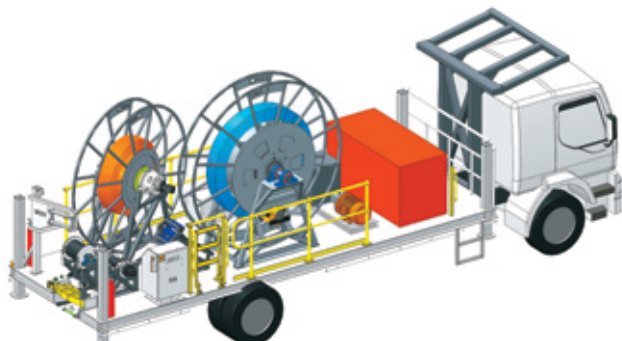


**ABOVE**  
Trailer Mounted IR System



**RIGHT**  
Skid Mounted IR System

# SYSTEM SPECIFICATIONS



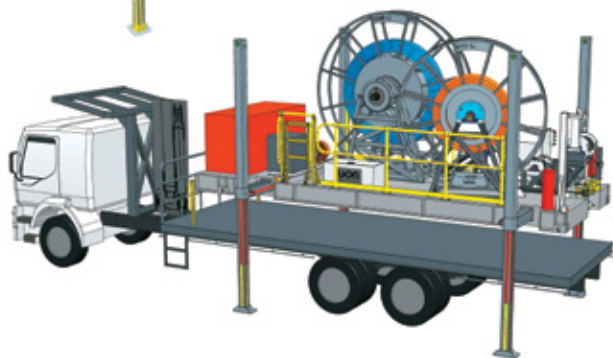
## TRUCK MOUNTED IR SYSTEM

**Dimensions** 6.5 m (l) x 2.5 m (w) x 3.025 m (h)  
**Dry Weight** 6.5 tonne



## TRAILER MOUNTED IR SYSTEM

**Dimensions** 6.5 m (l) x 2.5 m (w) x 3.025 m (h)  
**Dry Weight** 7.5 tonne



## SKID MOUNTED IR SYSTEM

**Dimensions** 6.5 m (l) x 2.5 m (w) x 3.025 m (h)  
**Dry Weight** 7.5 tonne

**\*\*Note:** Dimensions and dry weight are approximate only and may vary due to applications.

## STANDARDS AND OPERATING CONDITIONS

### 3 designs meet the following standards where applicable:

- AS1418 - Cranes, hoist & Winches  
- General requirements
- AS3990 - Mechanical equipment - Steelwork
- AS1554.1 - Welded steel structures
- AS4991- Lifting devices
- AS3000 - Electrical installations
- Australian Design Rules (ADRs)  
- For trailer and truck mounted only

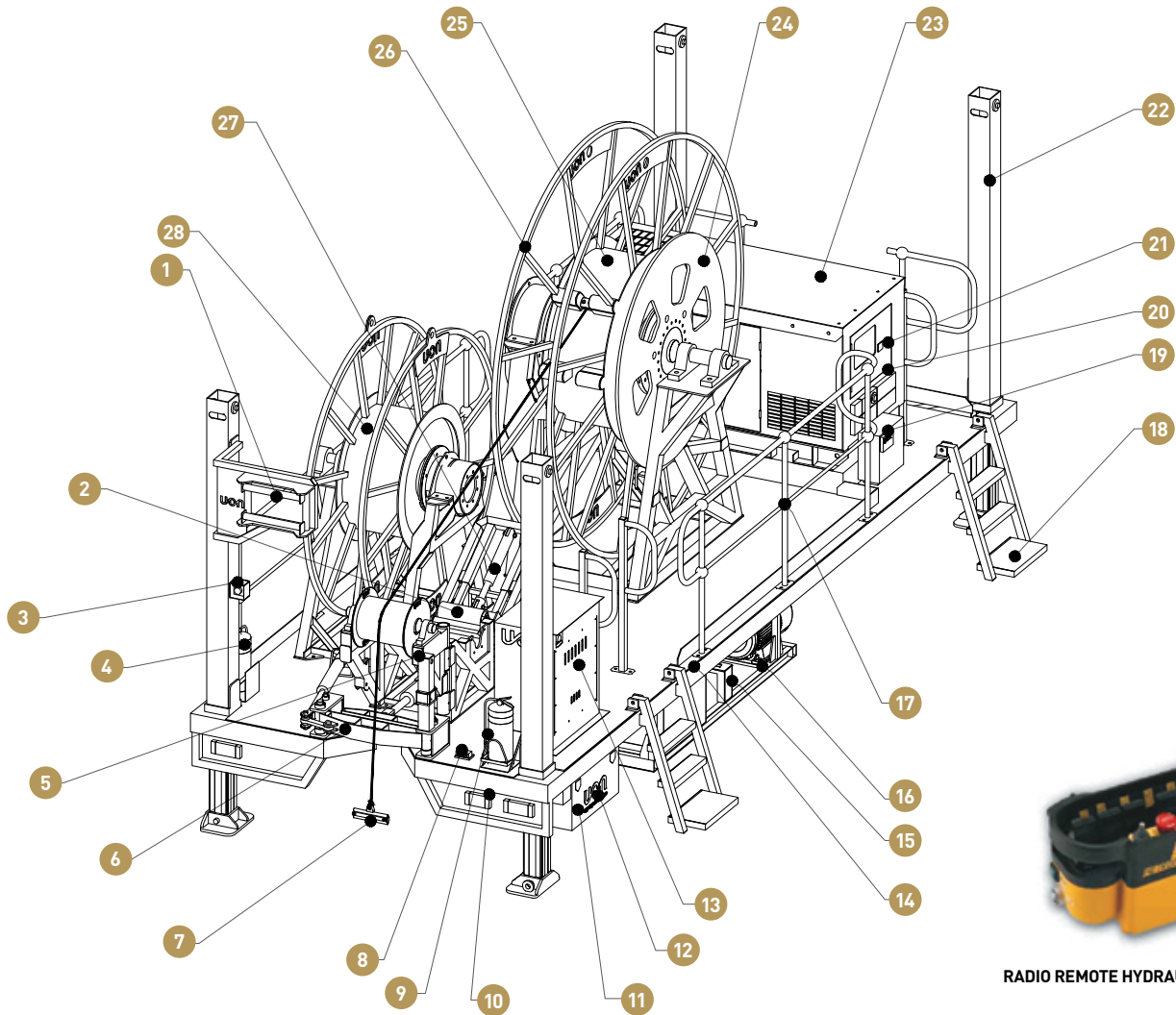
### Environmental Operating Conditions

- Operating location: Outdoor
- Ambient temperature: up to 50+ degrees

### Painting process

- Standard colour is White

# SYSTEM SPECIFICATIONS



**RADIO REMOTE HYDRAULIC CONTROL**

- |  |   |   |
|--|---|---|
| 1 – Electrical cable guide               | 12 – Tool box   | 22 – Hydraulic stabiliser legs with double over centre hydraulic valves |
| 2 – Torpedo winch                        | 13 – Control panel                                    | 23 – Self banded and enclosed generator                                 |
| 3 – Emergency stops x 4                  | 14 – Proximity switches shut off on all access points | 24 – Fail safe disc brake flexible rising main winch                    |
| 4 – Fire extinguisher                    | 15 – Hydraulic tank                                   | 25 – Flexible rising main winch   |
| 5 – Headframe                            | 16 – Hydraulic power pack                             | 26 – Hose reel 6" & 3" Flexible rising main                             |
| 6 – Flexible rising main hydraulic clamp | 17 – Safety rail                                      | 27 – Flexible rising main tensioner                                     |
| 7 – Flexible rising main manual clamp    | 18 – Access ladder                                    | 28 – Electrical cable winch   |
| 8 – Remote grease points                 | 19 – Power pack stop/start                            |   |
| 9 – Fire extinguisher                    | 20 – Generator stop/start                             |   |
| 10 – LED lights                          | 21 – Battery isolator                                 |   |
| 11 – Wheel chocks & holders x 4          |   |   |



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**WHEREVER YOU ARE IN AUSTRALIA,  
WE WILL KEEP YOU ON, WE WILL KEEP  
YOU OPERATIONAL.**

UON reserves the right to make changes in model, technical specification, color, configuration and accessories without prior notice. Please contact your UON salesperson before ordering.

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