

# Radio Remote Control for Overhead Cranes for Operator Safety





# INTRODUCTION -

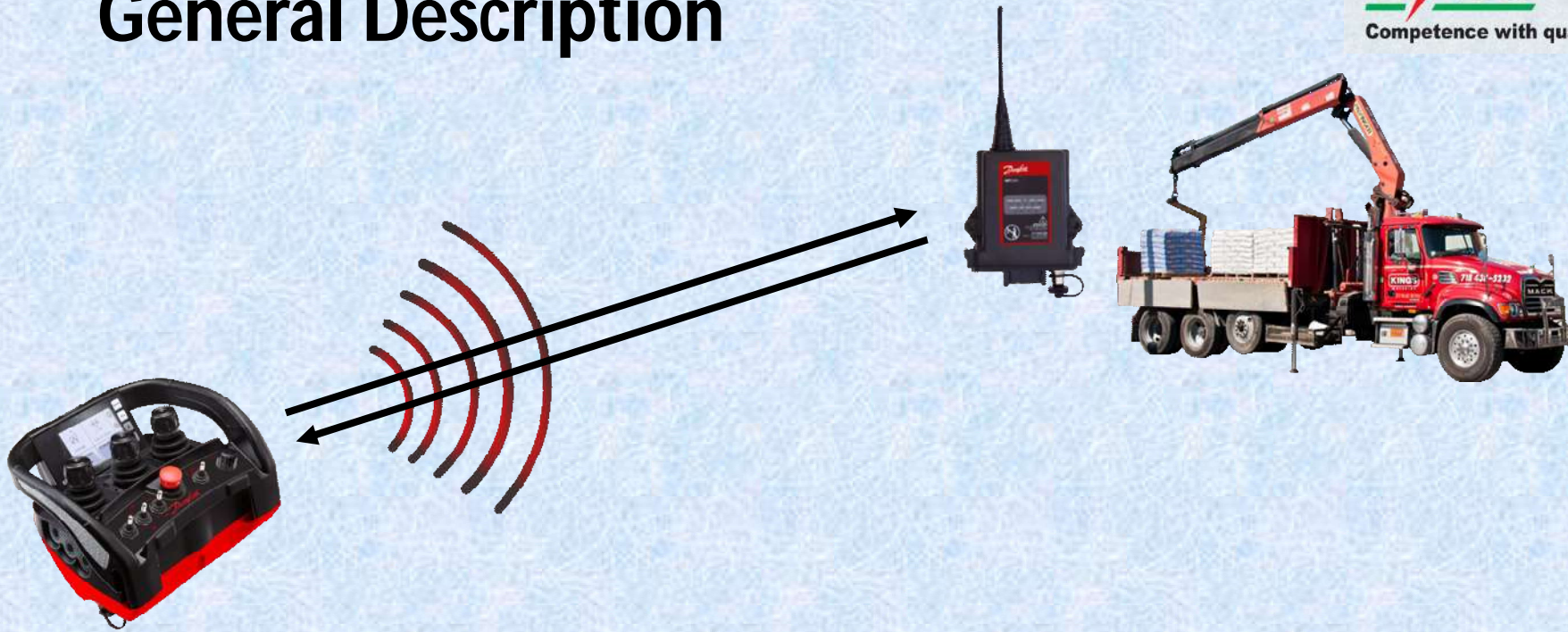
From the product basket of the M/s Sheetal Wireless Technologies Pvt Ltd., we are pleased to introduce a Safety Product "Radio Remote Control for Remote Operation of Overhead Cranes" a good quality & Imported, which has proven to be of wonderful utility for every industry, who care for the employee's safety besides uninterrupted production. The main Features of Radio Remote Control are -

- These RRCs use Category 3 safety feature & hence used continuous communication, where communication break for even few milliseconds shall result RRC turning crane to off state.
- In addition free fall of transmitter doesn't result in any unwanted operation, since the design avoids possibility of any unwanted button getting pressed due the free fall/ impact with ground.
- The push buttons, RRC remotes are manufactured with clear separation in electrical & mechanical hardware of remote. This allows replacement of remote push buttons, its rubber cover without any electrical work in time of few minutes.
- During initial power on process Remote undertakes self-check of its all subsystems, buttons & If any problem is observed, it doesn't gets powered up to avoid possibility of any accident.





# General Description



Control machines with no cabin.



Better control by having free movement while handling the machine.

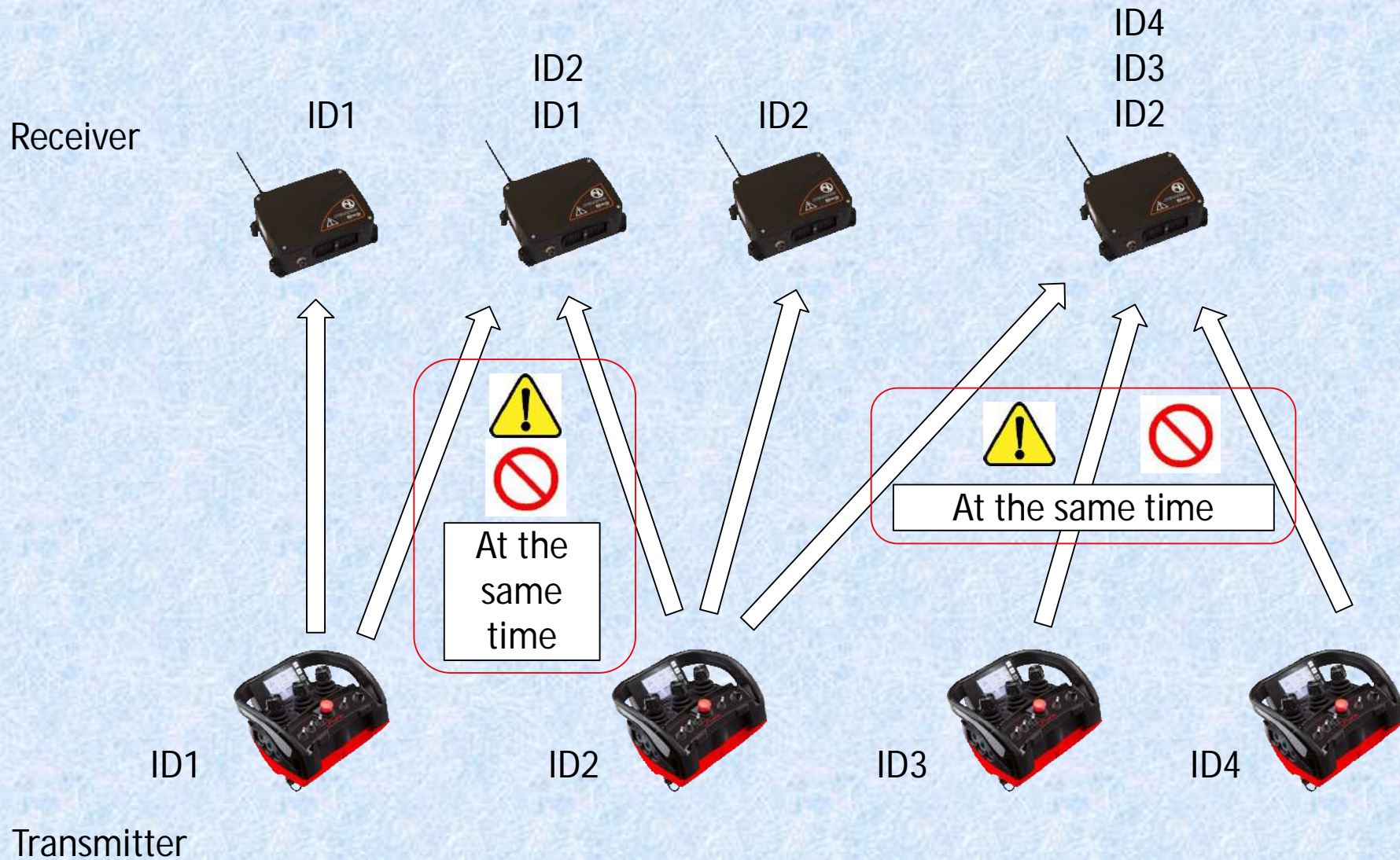


Avoid dangerous situations working in the distance.





# Elements of a System -





# Functional Safety -

STOP Function:

- All RCT products:

**Cat.3-PLd / SIL 2**

- All RCT 2.4 GHz radio products:

**Cat.3-PLe / SIL 3**



PL = Performance Level

EN ISO 13849-1

SIL = Safety Integrity Level

EN IEC 61508 (Generic)

EN IEC 62061 (Machinery)





# Handheld Transmitters -



T70 1

T70 2

Industrial application handhelds  
(ATEX)



IKORE



IKARGO

**NEW**  
Industrial application handhelds



IKOMPACT8



IKOMPACT12

**NEW**  
Mobile sector handhelds





# Console Box Transmitters -

There are 3 models of console boxes depending on their size.





# Hardware Description -

OPTICAL JOYSTICK  
ANALOG PADDLE  
ELECTRICAL JOYSTICK  
ROTARY SWITCH  
E STOP  
TOGGLE SWITCH  
PUSH BUTTON  
TFT DISPLAY  
START-KEY  
SIDE PUSHBUTTON





# Receiver Portfolio overview -



R11



R06



R13B



R13F

Industrial application receivers



R70



R70PLUS

Different Enclosures



MP08



MPCAN



MP20

Mobile sector  
receivers



R70 ATEX Z1





# Outputs -

## 1. Digital outputs

- MOSFET
- Relays



R06

## 2. Analog outputs

- PWM
- Voltage



MP08



R13

## 3. CAN BUS outputs

- CANopen
- Profinet (Gateway)
- Profibus (Gateway)

**CANopen**

**PROFI**  
PROCESS FIELD BUS  
**BUS**

**PROFI**  
**NET**





# Inputs -

1. Digital inputs

2. Analog inputs

- 4-20mA
- 0-10V
- 0-450 Herz



INFORMATION



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- Profinet (Gateway)
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**CANopen**

**PROFI**  
PROCESS FIELD BUS  
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# Applications Overview -



Industrial lifting & automation



Industrial vehicles



Construction



Forestry & Agriculture



Maritime



Hazardous atmospheres



**ENIC ENGINEERING SOLUTIONS PRIVATE LIMITED**



# THANKS

