



TYRION

INTEGRATION

SIMPLE • SECURE • SOLUTIONS

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RED•EYE

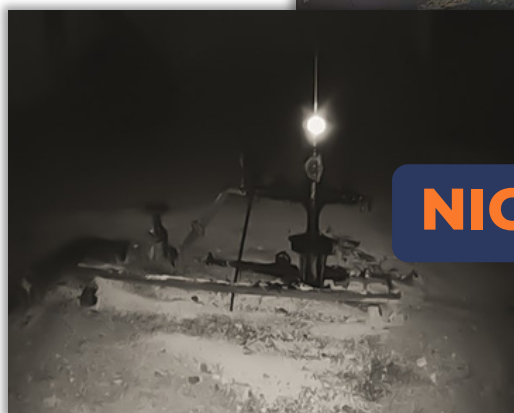
a patented oil leak detection system,
helping you take action and reduce the
environmental impact of stuffing box leaks.



DAY



NIGHT



EFFECTIVE

LOW MAINTENANCE & NON-INTRUSIVE EQUIPMENT

ENVIRONMENTAL

NO LIQUID OR GAS COLLECTION REQUIRED FOR LEAK DETECTION

EVIDENCE

PHOTO VERIFICATION FOR RAPID ALERTS AND RESPONSE

RED-EYE

Leak Detection System

RED-EYE is a patented oil leak detection system, utilizing photoelectric laser sensor technology to detect stuffing box leaks. If a leak is detected, a notification is sent to the user, who may then respond accordingly. RED-EYE helps your business remain compliant with regulations, without the mess of liquid or gas containment. Here is how RED-EYE works:

1

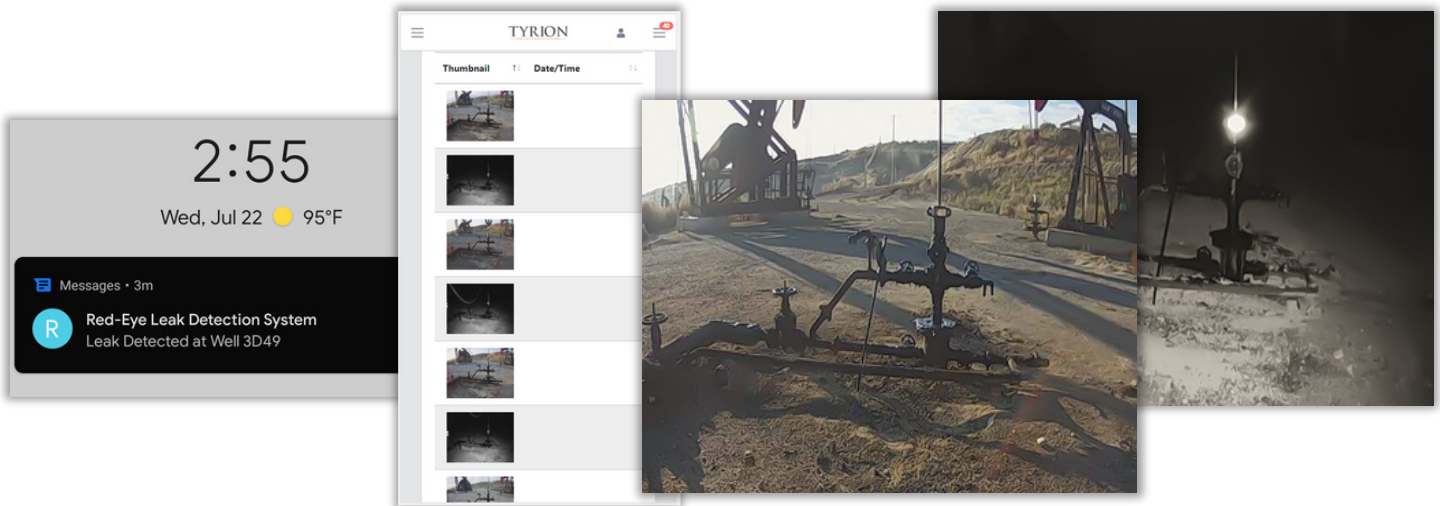
RED-EYE's on-board photo-eye uses a laser to scan the top of the stuffing box

2

RED-EYE recognizes the presence of oil along the top of the stuffing box

3

RED-EYE takes a picture & sends a text alert to the user, so informed action may be taken



SIMPLE

to mount on the pumping unit, no need to remove equipment for well work

SAFE

class-1 laser photo-eye, is not hazardous to eyes or skin

SIGHT

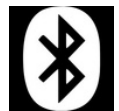
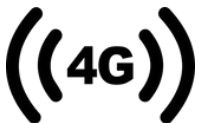
during day & night, with wide-angle views, working up to 20 feet away

SUMMON

action in seconds with on-board IIoT, transmitting events to the cloud then to the user

SHUT DOWN

the well automatically, or other customizable actions



Enclosure

Polycarbonate
Mount to pumping unit
11.5" x 12.5" x 5", overall height 24"
All-weather

Event Data

Trigger (leak or manual)
Time-stamp
Photo

Communications
(IIoT Device)

On-board inputs & outputs
Tyrion Cloud
Cellular: AT&T, Verizon, or Sprint
Wi-Fi; GPS; Bluetooth

Camera

Super-wide 118° viewing angle
2.8mm lens
4 megapixel

Power

Input Voltage: 120VAC

Photo-eye

Class-1 laser
Detection distance: 20 feet