

# INTELLIGENT END-TO-END COMMUNICATIONS AND CONNECTIVITY SOLUTIONS FOR OIL AND GAS CONTINUOUS AND SAFE **UPSTREAM** OPERATION

## **TETRA** SOLUTIONS

### OFFSHORE OPERATIONS CONTROL ROOM

#### DIMETRA™ X EXPRESS SYSTEM FOR RADIOCOMMUNICATION IN PLATFORM

Intrinsically Safe ATEX/INMETRO Communication  
Noise Cancellation ATEX Accessories

#### APPLICATIONS

**SMART PLUS** | **TRBONET PLUS**

- Paging, alarms and sirens systems interconnection
- Emergency shutdown
- Safe workers with fallen man and lone worker functionalities
- Video and analytics applications integration

#### VIDEO SAFETY WITH HIGH-RESOLUTION CAMERAS

Detection of improper use of masks, social distancing

#### WORKERS ACCESS CONTROL

LOCAL COVERAGE WITH  
LTE BROADBAND

### EXPLORATION

LOCAL COVERAGE WITH BROADBAND  
LTE IN BARREN ZONES

DIMETRA EXPRESS SYSTEM

TETRA VOICE  
COMMUNICATION

Workgroup collaboration  
with WAVE PTX

Voice, video and data  
applications with LEX L11

### ONSHORE AND OFFSHORE OPERATIONS CONTROL ROOM

#### OPERATIONS CENTER SOFTWARE COMMANDCENTRAL AWARE + ARTIFICIAL INTELLIGENCE

- Pit head, engine coil temperature, pressure and vibration monitoring
- Non-conventional fields, with tele-supervised pits
- Machines maintenance proactive alert
- Emergency shutdown
- Paging, alarms and sirens systems interconnection
- Access to field information

#### INTRINSICALLY SAFE ATEX/INMETRO COMMUNICATIONS

Worker safety with built-in man down and lone worker features; instant alert if an incident occurs.

#### VIDEO ANALYTICS WITH FACIAL RECOGNITION

- Artificial intelligence with analytics
- Appearance search

Information generated in field and transmitted to the control room using applications

### PRODUCTION

**24** HOURS  
INTEROPERABILITY WITH  
OTHER NETWORKS AND  
EMERGENCY AGENCIES

PERIMETER SAFETY WITH  
EXPLOSION-PROOF CAMERAS

PUBLIC SAFETY AND  
EMERGENCY AGENCIES

TELEMETRY WITH  
SCADA SYSTEMS

WIDER COVERAGE WITH  
DIMETRA™ X CORE SYSTEM

ROBUST LTE SYSTEM FOR LARGE OIL FIELDS  
THAT REQUIRE VOICE AND DATA