

JOYN FDG and JOYN 2  
**At a Glance**





**JOYN FDG** mobile app empowers field personnel to optimize OPEX and production. It takes out the guess work for operational personnel who battle a constantly moving set of data on wells, routes, pumpers and more. With accurate insights between the field and office, teams can use dynamic routing to double pumper efficiency by prioritizing highest impact wells. Transform the quality of data with configurable data rules that control inputs at the point of entry. With FDG’s extensibility, align multiple solution use cases (EHS readings, asset inspections, facility operations, etc) to stay ahead of a dynamically shifting operational and regulatory landscape. Configure new data fields to capture and push them out in minutes without waiting for vendor customizations.

**JOYN 2** is the first pump by exception mobile app for everyone in the oilfield. It harnesses artificial intelligence, cloud and mobile technologies to break down every activity into executable tasks to enable a fully connected oilfield with:

- **Resource to Task Matching Engine** connects critical tasks to most suited resource based on priority, skills and proximity.
- **Intelligent Task Workflow** enables unified view of tasks and status for every field worker.
- **Integration Engine** links multiple SCADA systems onto one platform and geographically fences alerts to ensure efficiency and safety compliance.

**USERS**

Lease Operators

Lease Operators and Field Technicians

**DESIGN**

Pump by Routes

Pump By Exception

**VALUE**

- Maximize production at the individual asset level – gain 25% time back for every lease operator
- Minimize field opex at the individual asset level

- Manage the entire field through one mobile app
- Gain 40% time back with automated task allocation and prioritization
- Optimize utilization of each field resource to pump more with the same
- Improve field safety and compliance with automated rationalized alerts



**FUNCTIONALITY**

- Mobile Enablement**
- Capture Anything & Custom Forms
  - Average Back
  - Intraday & Infrequent Readings
  - Carry Forward
  - Data Validation
  - Workorder Management
  - Data Recovery

- Mobile Enablement**
- Run Ticket Recognition
  - Multiple Platforms
  - Offline Capabilities (Auto-Sync and Auto-Navigation)
  - Live Tracking

- Pump By Exception**
- Exception Framework
  - Dynamic Routing
  - Operator Scheduling
  - Alerts and Notifications

**Allocation Engine**

- Self-Serve**
- SCADA/ Telemetry Support
  - Reports
  - Integration

Includes all JOYN FDG capabilities, **Flexible Data Capture, Mobile Enablement, Pump by Exception, Allocation Engine** and **Self-Serve** plus the following:

- Resource To Task Matching**
- Matching Engine
  - Location Intelligence
  - Task Scoring
  - Dynamic Scheduling

- Task Workflow**
- Task Prioritization
  - Task Creation
  - Algorithmic Task Creation
  - Instant Task Updates
  - Work Order Integration

- Integrated SCADA**
- One Platform
  - Improved Field Safety and Compliance

**Process Improvement KPIs**

- Analytics**
- Track multiple products (oil, gas and water),
  - Monitor production trends, well status, downtime and production loss,
  - Benchmark KPIs for actuals and forecasts and more.

**INTEGRATION**

- Accounting/ERP
- Economics and reserves
- Well ops/management
- Production accounting
- SCADA systems

*\*Further systems can be integrated as per requirement*

- EAM – IBM Maximo, SAP
- Accounting/ERP
- Economics and reserves
- Well ops/management
- Production accounting
- SCADA/ IoT - Wonderware, Tanklogix, Cygnet, OSI-Pi, ClearSCADA and XSPOC

*\*Further systems can be integrated as per requirement*