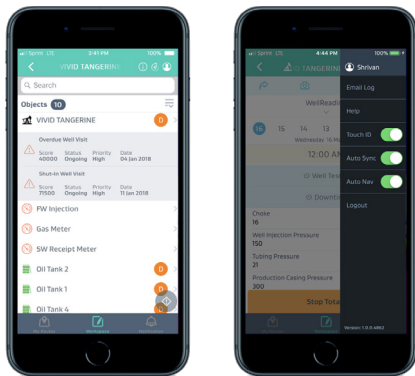


# Joyn™ FDG

Empower field personnel to optimize OPEX and production



Seven Lakes' Joyn™ FDG mobile app solution takes out the guess work for operational personnel who battle a constantly moving set of data on wells, routes, operators and more. Teams can now truly pump by exception using dynamic routing to prioritize highest impact wells. Transform the quality of data with configurable data rules that control inputs at the point of entry. With FDG's extensibility, you can configure 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.

## CAPABILITIES

- Dynamically route operators to highest priority assets
- Track well downtime categories and subcategories
- Track and correlate time spent at each stop based on maintenance issues, down wells and production volumes
- Understand regional trends to enable best practice sharing
- Automatically capture run ticket data by taking a picture
- Communicate and share information between field and decision support center
- Save data while offline and sync when connected via Wi-Fi, 3G and 4G
- Integrate natively with key production accounting, reserves, ERP and maintenance systems

## BENEFITS

- Maximize production at the individual asset level
- Minimize field opex at the individual asset level

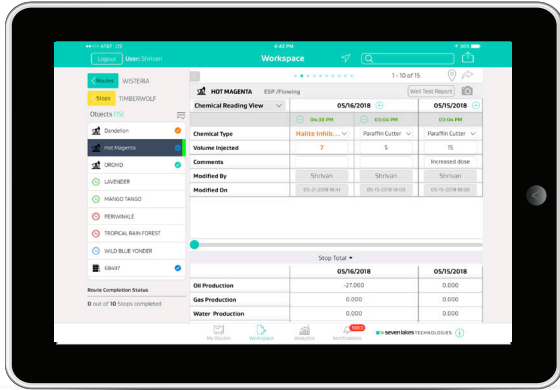
## FEATURES

- Available on Windows and iOS
- Geo-tagging and Geo-fencing
- Downtime tracking
- Run Ticket tracking
- Online/Offline sync
- Dynamic routing
- Intra-day readings
- SCADA compatible
- Powerful analytics

## INTEGRATED SYSTEMS\*

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

*\*TYPICAL INTEGRATIONS - further systems can be integrated if needed.*



### CUSTOMER TEAM RESOURCES

Team Role	Commitment
Project Owner	10-12 Hours / Week
Infrastructure Admin	5 Hours/ Week 1-4
SME (s)	5 Hours/ Week 2-9
Admin Trainer	16 Hours
End User Trainer	4 Hours

### IMPLEMENTATION TIMELINE

PRE- DELIVERY PHASE	Infrastructure Setup: Hardware, network, SLT, users accounts and groups, automated accounts, access permissions					
DELIVERY PHASE	WEEK 1-2	WEEK 3-4	WEEK 5-6	WEEK 7-8	WEEK 9-10	WEEK 11
• Product Deployment	[Progress Bar]					
• Implementation	[Progress Bar]					
• Integration	[Progress Bar]					
• UAT			[Progress Bar]			
• Training					[Progress Bar]	

**ASSUMPTIONS:** As-is product implementation. Any customizations or changes to standard configuration will extend timeline. Training efforts primarily managed by the customer with support from SLT during initial training. Additional training from SLT available upon request.

### INFRASTRUCTURE REQUIREMENTS

End users require Windows Computer or iPad

#### DATABASE SERVER

- 32 GB RAM
- 2x4 3.0 GHz CPU
- Win 2012 x64
- SQL 2012 R2 Ent. Edition x64 (SQLDB, SSIS, SSAS)
- Disk Drives:
  - C Drive (OS) - 100 GB
  - D Drive (Data) -250 GB
  - E Drive (SQL Log/ Temp) - 50 GB
  - G Drive (Backups) - 50 GB

#### WEB SERVER

- 8 GB RAM
- 2x43.0 GHz CPU
- Win 2012 R2 x64
- IIS/.NET 4.0
- RabbitMQ
- Disk Drives
  - C Drive (OS) - 100 GB
  - D Drive (Data) - 100 GB

**NOTE:** Requirements above are for production environment. Development and Test environments are expected to have similar or lesser requirements. Cloud options also available upon request.