

## DSI in a Nut Shell

### *Well Construction Safety, Optimization, and Real Time Drilling Technologies*

*Drill-Sense is born to cultivate an integral approach to well construction safety, reduced cost, and maximize the recovery potential from your play. We draw our strength from the wealth of knowledge bank amassed from our partners and associates. We excel at finding innovative solutions to current drilling, completion, and recovery challenges. Our multidisciplinary and diverse team of partners and associates is one way to synergize knowledge banks and cater to your demanding challenges. From real time data mining to automation of vital rig measurements, we make a bold statement of efficiency and clever management. Our focus remains to be providing sensible solutions to the well construction safety and integrity from planning to completion. Drill-Sense provide all support necessary to enhance the decision making process by converting the overwhelming data streams to actionable information.*



The dawn of a  
new day in the oil  
field

*DSI main strength is the collective talents of its partners and associates. We draw from a pool of top minds in the industry today in key areas of technology. We also synergize and “energize” the resources necessary for a comprehensive solution. From data mining to laboratory studies, backed by vast network of field experience, rest assured that your project rest in good hands.*

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## Services

### Well Planning

- Pre-drill mud weight window
- Casing design

### Wellbore Construction Safety and Optimization

- Wellbore integrity and stress management
- Look ahead technologies
- Hole problems diagnostics, prevention, and first action advice
- Optimized drilling operation
- Rig efficiency studies
- Rig auditing for solids control equipment

### Data Mining

- From beans to coffee ...convert your data to knowledge
- Modeling and best practices
- Company (in house) best practice manuals

### Subsalt Drilling

- Drilling planning
- Real time drilling diagnostics and look ahead wellbore integrity prediction (stresses and pore pressure)
- Real time well construction safety and proactive hazards mitigation

### Real Time Drilling Diagnostics and Knowledge Centers

DSI has a special passion and expertise in the area of real time drilling diagnostics which spans over 15 years of developments. We can offer our expertise to support your team on critical wells offshore or in land. If you wish to establish a real time drilling knowledge center to establish a proactive culture for timely decision making and data analysis, look no further...DSI can deliver to you the infrastructure and software systems required for such project. Well, we may go beyond the assessment and fit for purpose installation of equipment and software to actually provide the manpower and training to make it successful.

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## Iraqi Oil Field Services

DSI with its highly qualified pool of Iraqi professional's talents and skills bank offers a unique opportunity to all operators and investors in the Iraqi oil fields developments. DSI offer the full spectrum of services from consulting to logistics managements. Based on our vast network of Iraqi petroleum engineers, geoscientists, and professionals with other disciplines, we are confident that we can deliver best in class oil field consultation and services. Most of our engineers were educated in the west and have worked on Iraqi oil fields for decades. Our depth and breadth is far reaching to all types of engineering analysis related to oil field assessment, recompletion, and monitoring.

## Recovery Dynamics

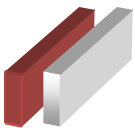
With the full force of our knowledge bank of associates and partners, we deliver a complete enhanced oil recovery project road map for screening, selection, design, lab testing, field pilot tests to full field implementation

- Assessment of wells completion efficiency
- Recommendation for improved production rate and ultimate recovery
- Mechanistic EOR methods screening in sandpacs
- Core flooding (linear and radial)
- Optimum water flooding design
- Economics, uncertainty, and feasibility studies
- Pilot and full scale field implementation

***DSI offers specialized training courses taught by professionals who are leaders in their field.***

**DSI can accommodate your needs in many ways through:**

- Customized in house courses
- Mentoring
- Formal courses.



## Training

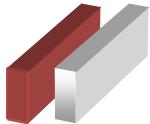
- Well Engineering and Construction (2 weeks)
- Introduction to Petroleum Engineering (1 week to 4 weeks on request)
- Intensive Petroleum Engineering Course (1 week to 4 weeks)
- Practical Oilfield Geomechanics (1 week)
- Practical Geopressure Prediction (1 week)

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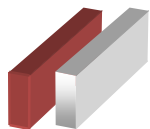


- Hole Problems and Stuck Pipe (1 week)
- Basic Drilling for non Drillers
- Practical Solids Control (3 days)
- Real Time Drilling Diagnostics (1 week)
- Deepwater Drilling Practices (1 week)



## Research and Development

DSI possesses a wealth of experimental experience in a vast array of petroleum recovery research as well as production optimization. From EOR research to sand control to liquid lifting in gas wells, we have been there. We can help you fully understand the problem and the most economical solutions.



## Customers

Our clients have put us to the test. A partial list includes:

- Knowledge Systems, Inc (Sugar Land, Texas)
- Saudi Aramco (Saudi Arabia)
- ADCO (UAE)
- EPL (London)
- Rashid Petroleum (Egypt)
- BP Egypt
- Pemex (Mexico)

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