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Lumen Digital Corporation

**"Technical Experts
dedicated to your Success"**

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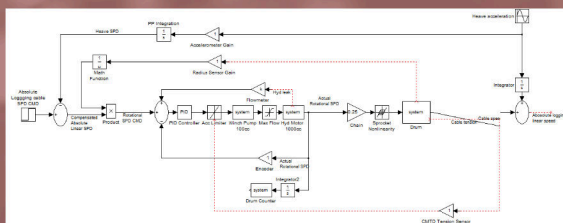
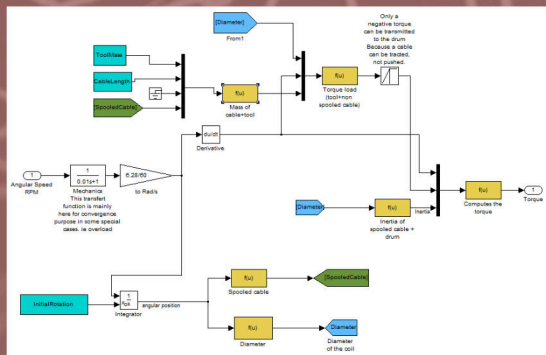
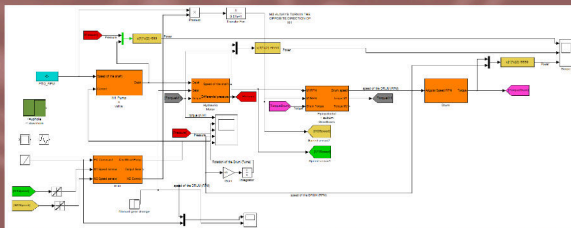
**Customized
Modeling**

**Simulation
Services**

Customized Modeling

Tools

- * Mechatronic Systems
- * Chemical Processes
- * Physics
- * Digital Signal Processing (FFT, Correlation, Filtering, Kalman)
- * System Automatic Control



Applications

- * Solutions for monitoring, measuring, and management of oil and gas production systems
- * Oil Fluid Separation Processes
- * Tank level measurement
- * Pressure and flow profile
- * Flow control
- * Leak detection
- * Fluid pipe transportation control
- * Major equipment control and maintenance program data base
- * Simulation studies
- * Data acquisition and report from field to office
- * Automation and robotics

Advantages

- * Access to data timely, simple, and secure
- * Field and Office Real time calculations and decisions
- * Quick response to any operation change
- * Superior Process optimization
- * Better Planning before major investments
- * Hazards and environmental impacts prevention and control
- * Ease of maintenance and equipment protection
- * Investment and well production expenses reduction
- * Integrated operations through effective data management
- * Effective technology integration for future return on investment and improved oil recovery
- * Service support

“The result is a field that observes the economic demands of the operator, while at the same time meeting operational imperatives of HSE and environmental performance”

Simulation Service

Tools

- * Matlab
- * Simulink
- * Logic Simulator (FGPA)

