



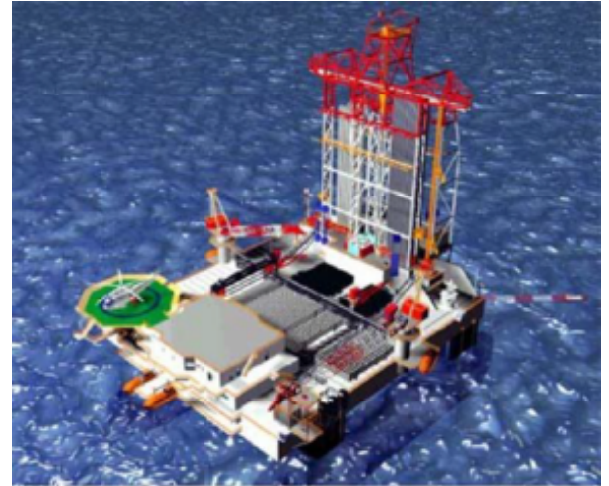
### **“Quality by Design, Satisfaction by Performance”**

Since 1988 Innovative Electronics has been engineering, manufacturing and maintaining electronic products primarily for energy related industries. Customers of the drilling products, ballast control/monitoring, data acquisition and related marine products include major international drilling contractors and other energy related companies.

The **“Common Denominator”** - Innovative Electronics designs and builds to client specifications with “Open System Architecture” being the cornerstone of each design.

Innovative Electronics works closely with customers to develop appropriate designs for new rig building requirements or for updating existing rig equipment. Innovative Electronics can design systems customized to each rig's specific application.

Our Goal is: “To be a leading supplier of superior quality ‘Open Systems Architecture’ products and support services that meet customer specifications and requirements”



## **Marine Products**

### **Ballast Monitoring and Control Systems**

- New installations and complete refurbishment of existing systems

### **Environmental and Oceanographic Instrumentation**

- Environmental Monitors - Rapid deployment and continuous use modules
- Turnkey environmental monitoring stations
- Ocean current meters to monitor surface currents around offshore installations

### **Engine Monitoring**

- Complete Systems, Conversions to Digital

## **Drilling Products**

### **Integrated Drilling Cabins**

- IE Drillers' Cabins provide a comfortable working environment for drillers and assistant drillers

### **Drawworks Controls**

- Remote Brake Servo Controllers

### **Automatic Drilling Systems**

- Variable Input Automatic Drillers w/Rig Match™

### **Traveling Block Controller (U.S. Patent Granted)**

- Protects the crown and the floor from impact by the traveling block

### **Electronic Crown Protector (U.S. Patent Granted)**

- Protects the crown from impact by the traveling block

### **Rig Floor Instrumentation - Analog & Digital**

- Paperless (Electronic) Drilling Recorders
- Automatic Drilling Systems
- Sensors, including PSI, RPM, Mud Flow and Level
- Mud Volume Totalizers & Trip Tank Monitors
- Drilling Torque Monitors

### **Winch \ Windlass Monitoring**

- Integrated systems, Payout, Tensions and Alarms,

### **Fire and Gas Systems**

- Toxic, combustible, H<sub>2</sub>S, complete integrated systems

### **Rig Communications Networks**

- LAN, WAN, Internet

### **Bulk Inventory Management**

- Powder, Liquids, Fuels, Slurries, Lubricants
- Systems to monitor and control the transfer and movement of fluids in, on and off supply vessels

- Block Position & Ton - Mile Monitors

- RPM & SPM Indicators
- Magnetic Brake Monitors
- Gas Monitors

### **Computer Based Instrumentation**

- **FIRMS** (Fully Integrated Rig Monitoring System) to integrate all individual drilling products and instrument functions into an organized, multiple display, historized and logged, remotely accessible, multi-point network.

### **Hydraulic Rig Instrumentation**

- Tong Torque - Rotary Torque - Hook Weight - Tank Gauging - Auto Drillers - Crane Weight - Pump Pressure- Complete Drilling Instrumentation Packages

### **Battery Powered Instruments**

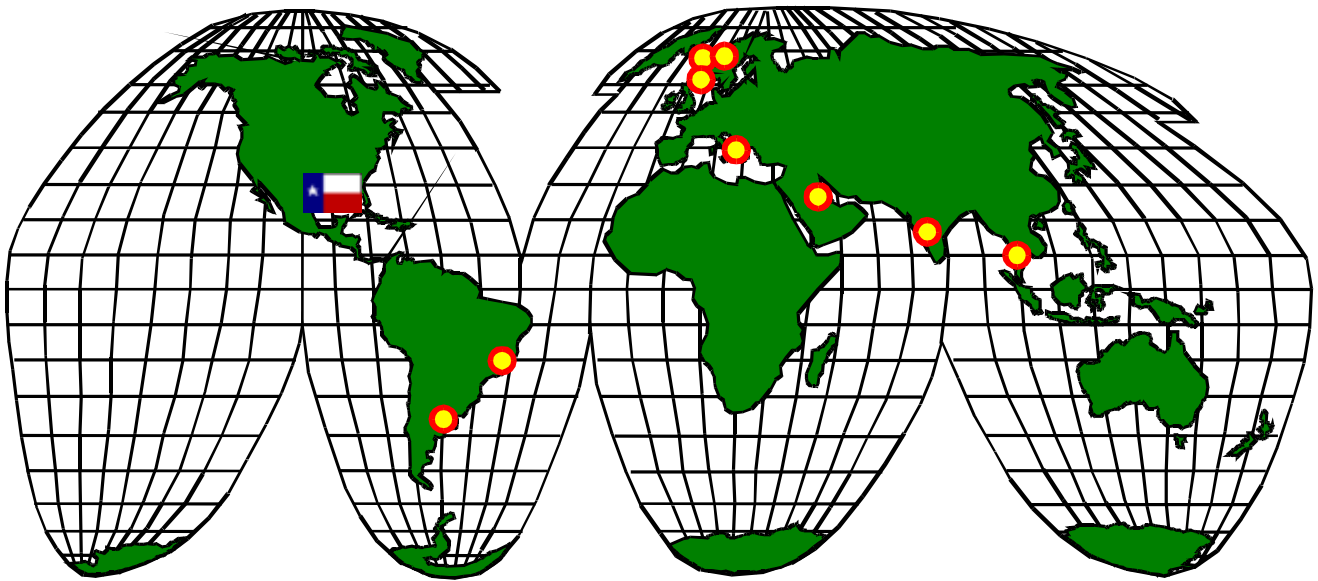
- Digital 2 & 3 Pump Stroke/Rate Meters, RPM & SPM Meters, Digital and Analog Choke Position Indicators

### **OEM Products**

Innovative Electronics will manufacture products under the customers' name.

## World Wide Presence

Abu Dhabi - Argentina - Australia - Brazil - Burma - China - Ecuador - Egypt - France - Germany - India - Indonesia - Kuwait - Mexico - Netherlands - Norway - Oman - Russia - Scotland - Thailand - UAE - Venezuela - Vietnam



### MAJOR CUSTOMERS

ENAP (CHILE)	Saudi Aramco	Atwood Oceanics	Drillmech	Hydril
Diamond Offshore	Saipem	Oil India	ONGC	Ensign Drilling
ENSCO	MB Petroleum	Swaco	Petrobras	Pemex
	Transocean SF	Agip	ADMASCO	CNOPC

### Maintenance and Repair

Innovative Electronics naturally repairs all equipment of its own manufacture. In addition the company repairs and maintains equipment manufactured by other companies.

### Company Operation

Innovative Electronics uses computer technology to maintain quality standards, components, products and vendors.

To provide consistent quality, all buyout items are defined and specified in the computer data base. All internally designed components are defined and controlled by a specific drawing used to insure correct fabrication by

outside suppliers. The computer data base tracks over 7000 items 900 of which are in stock.

Innovative Electronics also sells to many supply houses and resellers in various parts of the world.

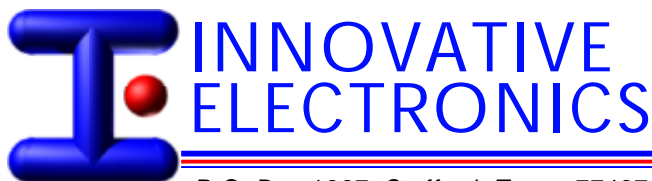
### Worldwide Presence

Innovative Electronics has equipment installed and operating in most oil field areas around the world, including China, Central and South America, Mexico, Canada, United States including Alaska, India, Indonesia, the Mid-East and the North Sea.

### Offshore Technology Conference

Innovative Electronics has proudly exhibited every year at the Offshore Technology Conference in Houston, Texas since 1989.

For Additional Information Contact:



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