

Custom VisualForce Development Helps OrthoSensor Optimize Patient Data Management

THE CLIENT

OrthoSensor is leading the evolution of orthopedic surgery as more surgeons begin using advanced surgical technologies and new analytical and implantable products.

The OrthoSensor Control Center is a secure browser-based cloud application that orchestrates logistics and data collection for surgical procedures where implantable medical devices are used.

The Control Center needed to Support Sensor-Assisted Surgery, track implant/medical device components, collect pre and post-op clinical data, improve clinical outcomes, and make the management of hospital implant inventory more efficient.

THE SOLUTION

Birlasoft replaced OrthoSensor's backend functionality (Ruby on Rails) with custom development on the Force.com platform.

- **Security:** Compliance, Authentication, Session timeout
- **Audit logging:** Capturing specific events for audit purposes
- **Navigation/UI:** Allowing easy navigation and (profile) controlled access to key records and information

THE IMPACT

Procedural data and images (captured in VERASENSE) are now visible, enabling easy access to patient data and analytics, and the ability to export for use in third-party statistical tools.

- Advanced search/filtering enables quick access to procedure schedule/follow-up
- Optimized surgeon workflow using custom VisualForce pages improved navigation
- Audit logs are now easily tracked and exported, providing one-click access to standard reports (PDF capable)

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