



# Case Study

## Business Intelligence Solutions:

### FDA-Compliant Analytics

#### CLIENT

This organization conducts research on a number of compounds and medical devices including stents (medicated and non-medicated) and catheters. These compounds and devices are from sponsors in the pharmaceutical, medical device and consumer product industries that need to have these products independently tested for safety, toxicity and future trials for FDA approval.

#### NEED

The company uses SAS-based software applications, EXCEL spreadsheets and PROVANTIS, a client server Oracle-based system, to retrieve data from laboratory instruments and ROM chips imbedded in test animals. This method of data collection proved to be very inefficient and required much manual data cleaning causing delays in generating reports in a timely fashion.

#### SOLUTION

Pinnacle Solutions developed and implemented programs to retrieve and format the data received from the laboratory and stored the data in a SAS data set that can easily be accessed for analysis. The time data received from the laboratory to generation of reports or analysis was significantly improved.

#### BENEFITS

Ease of data access  
Faster reporting and analysis time

#### TECHNOLOGIES

SAS Integration Technologies  
SAS Output Delivery System  
PROVANTIS  
Oracle  
EXCEL

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