



**Value Opportunities with Enterprise Enabler™  
in  
Medical and Pharmaceutical Research**





## **Value of Enterprise Enabler to a Research Facility**

Medical research has one ultimate goal, to improve the quality of life and to save lives. Managing the high volume of research data, patients, trials, therapeutic technologies, intellectual property, documents, supplies, facilities, equipment, along with the clinical and administrative data associated, creates many significant challenges in decision support and information publication challenges. In addition, collaboration with other institutions challenges the overall information management environment.

Stone Bond offers products that can alleviate the potential impediment. These diverse and disperse data sources pose to optimal research. Stone Bond's solutions facilitate the capture and sharing of research information, ensuring that validated critical information is available rapidly in appropriate formats and aligned with integrated and optimized workflow. Enterprise Enabler™ (EE) is Stone Bond's powerful underlying integration software that can very quickly be configured in various ways,

- allowing personnel to readily create business logic which controls information flow
- empowering end users with graphic interfaces to create application integration in a fraction of the time it would take to “program” integration
- reducing the paper-intensive world of the medical profession by supporting document management applications, wireless data gathering applications, or any structured medical/clinical data gathering and storage technology
- removing the archaic information architecture of ever-growing data warehouses and replacing it with “straight-through” integration to lower the total cost of ownership for Information Technology infrastructure
- proactively managing change to data and application infrastructure; and in the world of clinical research, change is the only constant.

Many approaches to information sharing introduce a new layer of complexity in the course of the solution. Stone Bond's technology, instead,



simplifies information management in a world where the number of sources of information and data is growing exponentially. The Enterprise Enabler solution is elegant, rapid, validated, HIPAA-compliant architecture.

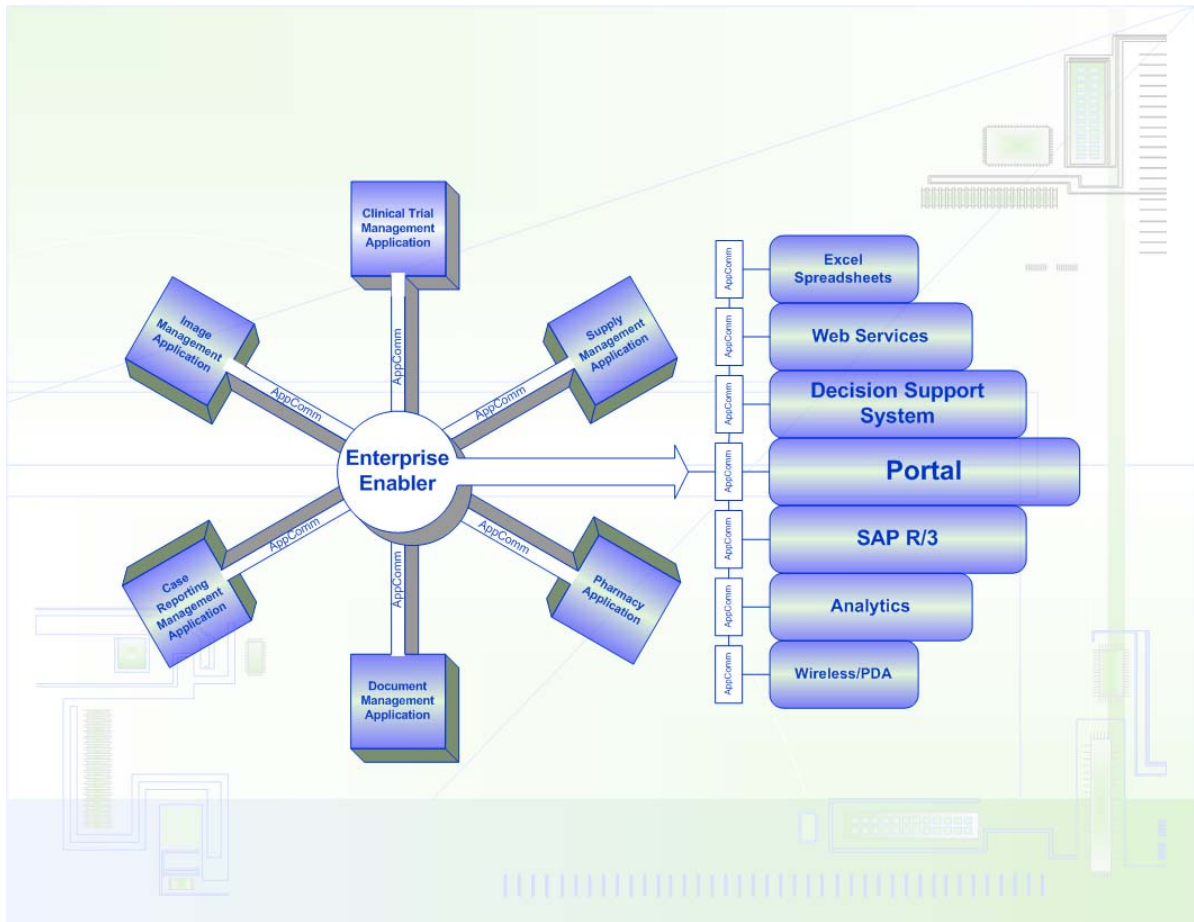
### **Characteristics of Stone Bond's Enterprise Enabler**

Stone Bond's Enterprise Enabler integration platform offers various ways to leverage your current applications and data very rapidly and cost-effectively. The product's fundamental approach is considerably different from that of other integration tools, and it is capable of supporting information exchange in an ever-changing environment with many constituencies. Highlights of Enterprise Enabler include:

- EE is **dynamic**. It integrates virtually any application or data very quickly, and changes with the business changes, just as quickly.
- EE ensures that **changes** to applications or integration components **are identified and managed** before impacting the integrity of information and decisions.
- EE **does not require huge teams of consultants** or programmers to implement; it is GUI-driven and has a **learning curve of only a few days**.
- EE provides **robust security** that ensures that there is not an uncontrolled use.
- EE's Source of Record Manager, or **corporate metadata** manger ensures that the everyone gets information only from the sanctioned source.
- EE's **AppComm technology renders traditional adapters obsolete**.
- EE **often eliminates the need for a central database** to hold data from multiple databases before it is made available for analysis, reporting, or feeding other applications. This eliminates a step that is usually very time-consuming and costly.
- EE **supports various integration architectures** and ties together "legacy" pockets of integration. That is, messaging systems, point-to-point, portals, web services, data warehouse, etc.

## Sample Configurations of Enterprise Enabler

Enterprise Enabler has introduced new methodologies for information architecture that accelerate review and conclusions based on large “footprints” of data. Below are just three examples of MANY scenarios that Enterprise Enabler can “bring to life” for research:



**Figure 1:** Comprehensive Information Sharing : capturing, integrating, and analyzing information (research, patient, medical, regulatory, clinical, billing, back office) throughout the organization from the research labs to the boardroom.

## Comprehensive Information Sharing

There are many “lost opportunities” to leverage information, data, and research that, because it is distributed across many different databases,

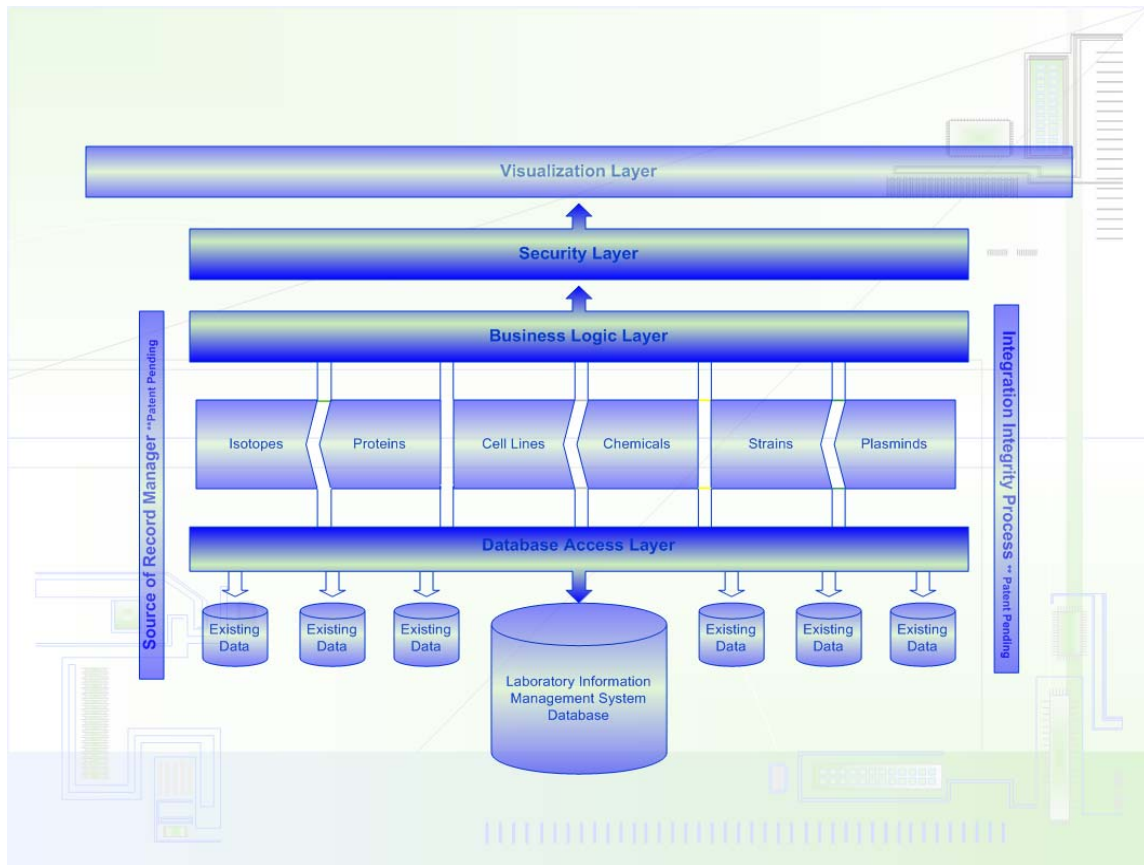


flat files, spreadsheets, etc. is difficult to access in a manner that is useful to the decision maker or analyst. The traditional solution is to design a central, normalized view of that data and populate a central database or data warehouse with it. This common approach has some drawbacks:

- Designing the database is usually a huge effort that is costly and time consuming.
- The new database must be kept synchronized with the various other data bases.
- Locking in a database design means that as changes occur, either they will not be reflected, or a redesign exercise must take place.
- The human aspect of this, perhaps the most challenging of all, is that each person must adjust to the nomenclature and organization of the data as dictated by the central database.

Instead, using Enterprise Enabler, it is possible to pass the data directly from the multitude of sources to each of the desired end points (Portal, spreadsheet, etc.) in a synchronized fashion, transforming all of the data logically to the desired endpoints or person's nomenclature and view. The ease of building makes it practical to allow each person to have his or her own view in familiar terms.

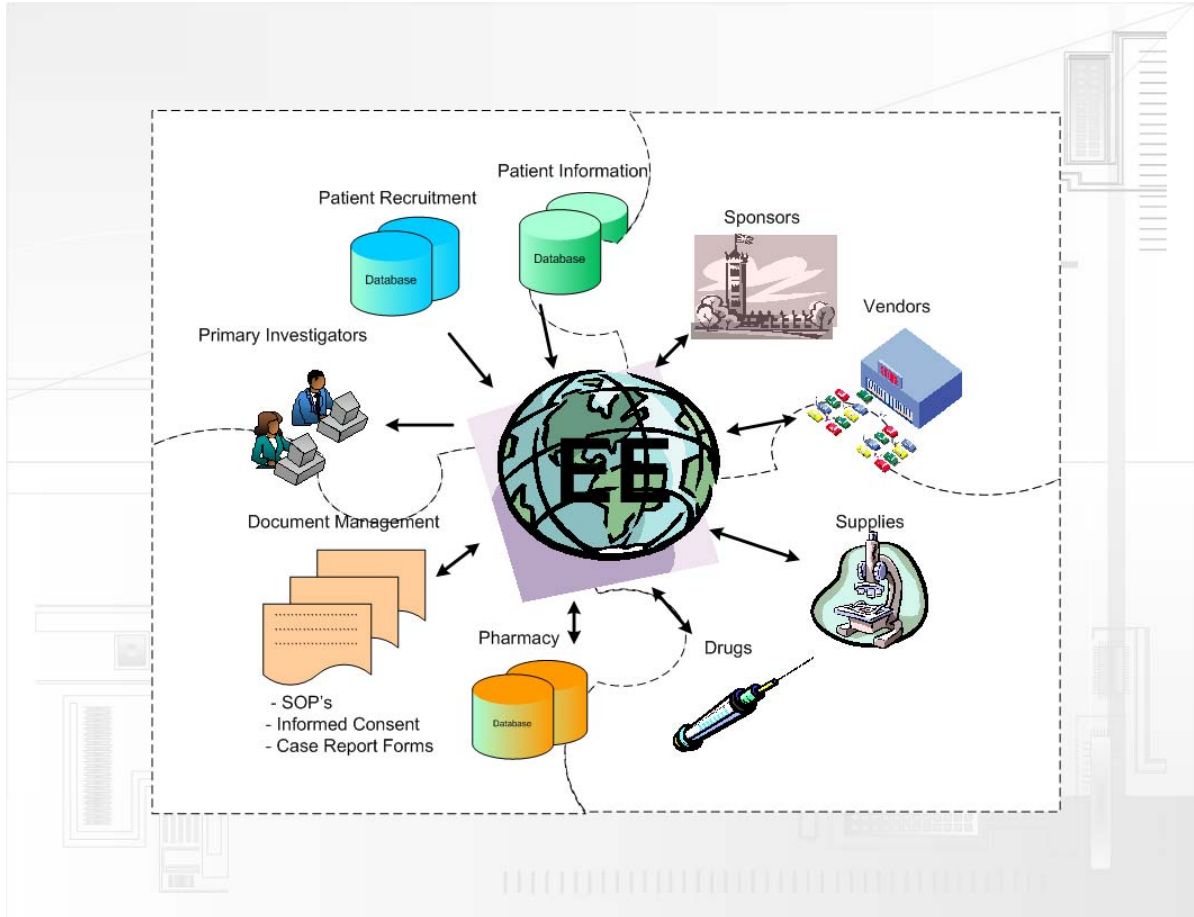
With Enterprise Enabler, there is no longer the need to build a data warehouse or central data repository to integrate and share data throughout your establishment. Enterprise Enabler allows you, in a fraction of the time, to easily and quickly build a secure robust and flexible integrated environment.



**Figure 2:** Laboratory Information Management System (LIMS)

## Laboratory Information Management System (LIMS)

Enterprise Enabler provides the “next generation” architecture for a Laboratory Information System (LIMS). Rather than a hard-coded, commercial market focused product, EE allows research centers to dynamically and quickly create a therapeutic or lab specific LIMS. Stone Bonds’ website, [www.stonebond.com/EE-LIMS](http://www.stonebond.com/EE-LIMS), has specific case studies of laboratories automated using Enterprise Enabler.



**Figure 3:** Clinical Trials Management System (CTMS)

### Clinical Trial Management System (CTMS)

Clinical trials represent not only an information management challenge but also a resource and vendor management challenge. Again, EE provides the infrastructure to enable a robust but elegant CTMS platform to manage different data, applications, documents, regulations, vendors and resources by unifying, integrating, controlling, and disseminating information both internal and external to the enterprise. Ensuring data remains validated private, and secure are core function of Enterprise Enabler.



## **A Word about AppComms**

Enterprise Enabler's AppComms (Application Communication Handlers) are the basic components for creating interfaces. Stone Bond's AppComm technology renders standard Adapter technology obsolete. With our

“point-and-click” interface, users select an AppComm and point to a sample file or application. Enterprise Enabler looks at the data through the AppComm, and intelligently infers what the data is and what it looks like. Reusable Custom AppComms can be built within a day or two by a system person with minimal programming effort.

## **Pricing**

Stone Bond offers affordable software, roughly 1/3 to 1/2 the asking price of the other common offerings in this industry for integration solutions. Enterprise Enabler is highly flexible & scalable in that it works not only at the enterprise level, but at the department level, laboratory or even the project level. Training programs are quick, easily internalized, and quite affordable, and one generally can learn all aspects of our software in less than a week.

## **Summary Proposition**

With technology resources and budgets so precious in our current economy, Stone Bond is a very safe decision. Implementation is roughly 1/10 the time it takes a system integrator or in-house team to implement, and the fact that the software is priced from 1/3 to 1/2 that other software providers, makes Stone Bond an extremely high reward / low risk offering. Further value points include: the power to reuse the components over and over; the ability to take an already deployed Enterprise Enabler application and quickly deal with change; you can add interfaces to unknown applications in 2 to 3 days. Stone Bond can painlessly and affordably relieve your information barriers so you can focus your efforts on more important matters such as the treatment for and cure of diseases.

**Please visit our website at [www.stonebond.com](http://www.stonebond.com) for more information.**

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