e-PlanSoft™
Ultimate Online Plan Review

An Accela Technology Alliance Partner

How e-PlanSoft™ aids agencies using Accela nationwide.

The Ultimate
Online Electronic Plan Review
Case Study

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THE ULTIMATE ONLINE PLAN REVIEW CASE STUDY

Company Letter

The Ultimate Online Plan Review

Based in Irvine, e-Plan, Inc. dba e-PlanSoft™, has been in business ten years, created in 2010 by award-winning principals of the OWEN Group, Inc., as a privately held, software development firm. Founded in 1981, Owen is a multidisciplinary design and construction firm who specializes in large scale civic, community, transportation and educational construction projects, including the New World Trade Center, the Los Angeles Unified School District, the San Diego International Airport and the Metro Rail Stations, to name a few.

In 2005, the Owen management team began to investigate markup review products that met their own requirements for efficiency and collaboration. Not satisfied with the offerings of the marketplace, they designed and developed e-PlanReview® to allow their teams to perform web-based, concurrent constructability and peer reviews, reducing their project delivery time and the exorbitant costs of managing and storing paper plans. e-PlanSoft officially opened its doors in 2010

with the development of e-PlanCheck® (ePC), an electronic plan review application for city, county and state permitting agencies was launched, whose feature set was greatly influenced with significant input from former building officials, architects and engineers. In 2018, the latest plan review software, e-PlanREVIEW® was launched.

"e-PlanREVIEW® has revolutionized plan review technology with patented solutions that allow project teams, designers, owner, contract, trace contractors, QA/QC reviewers, and permitting agencies to collaborate on a set of documents with a browser — anywhere and in real-time — to enhance the construction documents, and stay in code compliance."

Michael Chegini,
CEO & President

e-PlanSoft™ created e-PlanREVIEW®, a cloud-based electronic document review software, to assist governmental agencies, the AEC industries, and developers with plan review, construction, and asset review in real-time.

Our Accela Technology Alliance

Partner Advantage
By The Numbers

9 Years Providng Electronic Plan Check

1ST Accela OEM Partner

5 Years Accela Technology Alliance Partner

5 Years providing integration with third-party permitting systems

5 Years with over 25 Accela customers with integration

1ST AWS/Cloud Plan Check Solution

The e-PlanSoft™ and Accela Partner Advantage by the Numbers

Foundation of Our Partnership

Comprehensive Software

e-PlanSoft provides comprehensive electronic plan check software for government municipalities looking to reduce plan review turnaround times and the high costs associated with paper plans.

Seamless Integration

Designed with input from industry professionals, our web-based applications integrate seamlessly to permit and public portal software. Easy to learn- and easy to use, e-PlanREVIEW® is now integrated with Citizen Access and the Accela Civic Platorm.

e-PlanSoft™ has been an Accela Technology Alliance Partner for 5 years. Together we have aided over 25 Accela customers and facilitated integration with third-party permitting systems.

Expert Team

Our well rounded team provides value to our clients with knowledge in various fields.

Jon Changkachith

Chief Technology Officer

Jon dedicates himself to improving the way people collaborate on construction design plans. Jon says he likes to build things, but in reality, he has spent nearly 20 years as a software engineer and chief software architect where he has helped three startups and one global 500 company create better software. Jon earned his MBA from California State University, Fullerton and a bachelor's degree from Vassar College in Poughkeepsie, NY.

David Avila

National Sales Director

With over twenty years of experience in technology sales and sales management, David's sales career includes industry success' in ERP Solutions for Public and Private Sector, Business Intelligence, Human Capital Management, Performance Management, and Utility Customer Information Systems. Formerly employed with Accela Inc. for seven years, he played a key role in expanding the use of Accela's automation solution in the west region.

Sean Hooper

National Account Manager

Sean is the National Account Manager at e-PlanSoft and is responsible for growing and supporting the ingratiated and reseller partnerships serving Civic agencies and the AEC industry. Sean maintains a deep knowledge of e-PlanSoft's electronic plan review products as well as the capabilities of its end to end integrated permitting and plan review solutions. Sean provides product demonstrations and solution consulting in addition to leading the RFP team.

Jorge Raya-Navarro

Sr. Product Manager

Jorge has extensive experience in providing IT support services, as well as previous experience in the building industry providing comprehensive Quality Assurance and Quality Control (QA/QC) support for complex engineering projects for federal, state, and local government agencies. He directs product development, provides end-users training for e-PlanREVIEW® software both on-site and online, and manages second-level technical support.

Our Product

e-PlanREVIEW® is a fully web-based application designed to provide City, County and State agencies the ability to conduct concurrent plan reviews of shared documents by multiple departments in real-time.

Actions taken in the system are recorded in the EPR database and are available to review by administrators.

Multiple users across various departments can be assigned review tasks to a shared set of documents for simultaneous review.

Partial intake/ slipsheets allows applicants to resubmit plan sets with fewer pages so that new or changed pages will need to be resubmitted.

All assigned reviewers can work on the same document at the same time, directly from their browser so there is no need to copy documents or check them in and out for review.

Integration to the Accela Civic Platform

Our propsed solution incorporates our cloud-based deployment of **EPR** in partnership with Velosimo to implement a tight **bi-directional integration** between the **Accela Civic Platform** and EPR .

'SOURCE OF TRUTH'

PROJECT & ASSIGNMENT TASKS

UPDATES & MORE

Accela is the 'source of truth' for permitting project information, document management and document versioning as well as for creating and managing plan review assignments/tasks.

Project and assignment task information is sent to EPR without the need for double data entry or record management.

Assignment status updates, marked up documents, and corrections letters are then sent back to Accela from EPR as appropriate.

Timeline of Events

Beginning after a Project Kickoff, e-PlanSoft and all essential agency personnel meet to conduct a detailed business analysis of the process and workflows as they pertain to plan review. This meeting leads to the premliminary integration between the Accela and the EPR environments.

VELOSIMO
CONFIGURATION
FOR INTEGRATION

EPR
CONFIGURATION

EPR SETUP/
CONFIGURATION

CHECKLIST

e-PlanREVIEW® & Accela Citizen Access

CUSTOMER
'SOFT LAUNCH'
THEN FULL
LAUNCH

PRODUCTION

GO-LIVE

ACCELA
INTEGRATION

Omaha, Nebraska

The City transitioned away from e-PlanCheck® and updated to the latest plan review software, e-PlanREVIEW®.

Challenge

The City of Omaha implemented e-PlanCheck® integrated with the Accela Civic Platform going live in 2018. The City wanted to expand their use of electronic plan review and online permitting within a fast tracked and short time frame.

Solution

A new contract was signed with e-PlanSoft to migrate Omaha from e-PlanCheck® to e-PlanREVIEW® integrated to Accela through the Velosimo platform.

Results:

◆ Implementation occurred in only three months with successful integration of e-PlanREVIEW®

◆ Scout PDF inspector identifies known issues in the PDF files prior to assignments being created and this was also implemented into the City's migration.

◆ Accela Citizen Access Portal and Accela Backoffice were integrated seamlessly.

◆ Improved efficiencies such as reducing the number of paper plans submitted by mail, and shortened review timelines which led to saved money and time.

Office of Statewide Health Planning and Development

The implementation of e-PlanREVIEW® is completed in a 6 month timeline with 200 named user licenses.

Challenge

After many years of searching for an electronic plan review product, OSHPD and e-PlanSoft™ worked together to scope their project to include on-premise implementation with e-PlanCheck® integrated with the Accela Civic Platform utilizing the Accela Citizen access portal for permit applications, fee payments, and document uploads.

Solution

With the migration to the cloud-based e-PlanREVIEW®, OSHPD now has enhanced integration to Accela with the use of the Velosimo platform to connect to the Accela Construct APIs.

Results:

◆ OSHPD has a large deployment with 200 named user licenses split between the Sacramento and Los Angeles offices.

◆ Software implementation and integration was completed in a 6 month project timeline and has had great success for the agency.

◆ Project costs for plan reviews have been reduced by 50%.

◆ The average turnaround time for plan reviews has been reduced by 4 weeks.

Fremont, California

Agency transitions away from heavy traditional paper plans to waste-free and publicly accessible digital plans to enhance transparency of development activity to the general public.

Challenge

The City of Fremont is home to over 230,000 people and it is the fourth most populous city in the Bay Area. Paper storage in the plan room is waste indusive and costly to upkeep.

Solution

The task of redesigning the City of Fremont plan room is currently underway. Implementation of e-PlanREVIEW®, which is currently integrated to the EPR technology, will enable citizens to look up permitting information, check the status of a permit, request a building inspection, and submit a complaint to the City's Code Enforcement division if needed.

Results:

◆ Multi-user access for the City's team of specialists will lead to efficient plan review

◆ Workflow tracking and email notifications aid with project management

◆ Real-time collaboration with commenting and code compliance

Kern County, California

Kern County officials transitioned away from the legacy product, e-PlanCheck®, to the newest release of plan review software, e-PlanREVIEW®.

Challenge

Since 2015, e-PlanCheck® was used by Kern County but due to the hard code nature of the software, the integration between Accela Citizen Access was not as seamless. The county needed to move from an on-premise system to a cloud hosted environment which would would be overseen by e-PlanSoft™.

Solution

The system would be updated to the next generation of technology with the data migration of e-PlanCheck® to e-PlanREVIEW® being handled by e-PlanSoft™. This involved deployment and connection of the Velosimo integration platform, which is more flexible than the prior integration.

Results:

◆ A minimal impact transition to the new system occurred because the software is improved but uses a familiar process.

◆ Cloud-technology vs. on-premise management led to a smaller IT footprint.

◆ Integration to Acela was enhanced.

◆ New features such as the overlay mode and the messaging chat feature were available for the team to use.

Queen Creek, AZ

Duplicated work is prevented with streamlined processes.

Challenge

With stand-alone e-PlanCheck, Queen Creek staff would create duplicate entries in each system to manage and track project progress. This meant that they would need to manually verify electronic file compliance, and move electronic files between two systems. Training the team on this type of digital intake process was also a factor to take into consideration.

Solution

With the migration to the cloud-based e-PlanREVIEW® Queen Creek has enhanced integration to Accela with the use of the Velosimo platform to connect to the Accela Construct APIs.

Results:

◆ The team no longer has to cross reference duplicated entries in each system.

◆ End to end permitting was implemented with the electronic plan review solution.

◆ Transparent audit trails were now availble for reference.

◆ There was now a consolidated single record of data history available.

Rochester, MN

Plan review between departments is consolidated for better efficiency.

Challenge

In the building department, applicants would bring in three sets of drawings to each different department based on the type of plan and then they would circulate each plan manually. Once reviewed all comments would be consolidated on the plan per different department as a courtesy.

Solution

A one stop software, e-PlanREVIEW®, is implemented for the building permit process that is accessible everyone online, thus preventing the manual circulation of plans between different departments.

Results:

◆ The process is currently being implemented but once completed will connect across multiple departments: fire, planning, building & safety - containing architectural & structural review, as well as mechanical, electrical, and plumbing plan review.

◆ 30 users overall will benefit from this update.

◆ Plan review will have a faster turnaround time, and manual work needed to consolidate comments will end.

San Diego, CA

Collaboration across city wide departments was improved in addition to improvements with photovoltaic permitting.

Challenge

Provide a full services electronic plan review and permitting system for all of the city of San Diego's departments to be able to work concurrently.

Solution

The City migrated from e-PlanCheck® to e-PlanREVIEW® enabling a broader use of electronic plan review by city departments increasing internal and external customer experience. Ultimately expanding electronic plan review permit types from solar to all permit types.

Results:

◆ Implementation occurred under a phased approach.

◆ Past limitations that occurred with photovoltaic permit plan checks with e-PlanCheck were resolved with e-PlanREVIEW®.

◆ Discretionary type projects were migrated.

◆ Ministerial projects were migrated.

◆ All departments could now work collaboratively.

ONE SOLUTION
FOR ALL REVIEW PURPOSES

- ✓ Code Compliance Review
- ✓ Design/Constructability Review
- ✓ RFI Review
- ✓ Shop Drawing Review
- ✓ Value Engineering Review
- ✓ Construction Inspection

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