Building Permit

Fast-tracking the building code verifications for smarter and sustainable development of the built environment

SRIT

info@sritindia.com

PlanPermit™
BPAS
Building Permit Automation System

SRIT India

Supporting governance initiatives through vital technology partnerships

Establishing presence in over 21 different countries including the US, Europe, the Middle East, Asia Pacific and Africa, SRIT's products and solutions have permeated each of our customer's geographic region of operation.

Most of our projects are focused in the Healthcare, Enterprise eGovernance and IP-MPLS Communication space. SRIT manages multiple state wide governance initiatives for Urban Development and Citizen Care.

Our ongoing projects include implementing Smart City & Safe City projects, solutions for ERP, implementing state-wide OFC & Communications Network, Billing & Revenue-Cycle-Mgt. for Utilities, Telecoms, Universities, Educational Institutions and other private sector firms, apart from large government enterprises.

Project functions have ranged from Application Development, OSS-BSS-NMS Managed-IT and Systems Integration.

Domains

- Healthcare
- eGovernance
- Permit Systems
- Smart Cities
- Education

Offerings

- Software Products
- App Development
- Systems Integration
- Managed IT
- Project Management

Locations

- Bangalore, India; HQ
- New Delhi, India
- Kochi, India
- Kolkata, India
- New Jersey, USA

SEI-CMM Level 5
SSE-CMM Level 5
ISO/IEC 27001:2013
ISO/IEC 20000-1:2011
ISO 9001:2015

Process Certifications that assure reliable delivery

Deloitte.
Technology Fast 50

Top 50 Fastest Growing Tech. Company for 4 consecutive years

Baxter
Shell
BCG
TÜVRheinland

Serving Fortune 500 Clientele across the globe

Headquartered in Bangalore, SRIT has multiple projects across 21 countries

Our expertise into urban governance spans two decades.

Our client retaining period outlives our competitors by nearly three times.

Automatic Verification of Building Plans

Fast and accurate verification of model drawings for regulatory compliance

Building Permits is the first milestone for building construction by aspiring home owners, and new business ventures. When you apply for a building permit, the building plan is checked for compliance to prevalent local construction regulations (building code).

Normally, this takes several days - if not weeks - due to manual effort for verification of drawings of the proposed building against applicable regulations and building code.

The verification exercise includes multiple calculations, and manual errors may prove to be expensive to rectify later. This contributes to several days of waiting period for the applicants: citizens and businesses.

PlanPermit BPAS, a Building Permit Automation System from SRIT ensures precise verification of building plan through computer analysis of the model drawing for compliance to building code and local regulations.

PlanPermit verifies the building model drawing and provides you a scrutiny report indicating which all regulations are being complied to or not; within a few minutes.

The automated scrutiny of building plans can be done even prior to applying for building permits, so that rejections and resubmissions can be eliminated.

PlanPermit BPAS is designed as an integrated system which brings together all stakeholders involved in Building Permit process, to a single software platform. Information collected is verified with minimal manual involvement, and utilizing data from other governmental automation systems also as needed.

Transparency and predictable service levels are ensured through a configurable workflow; while the authenticity of the issued building permit is made tamper-proof through use of Digital Signature.

PlanPermit in Action

Building Details

Model File — DWG

Building Code LIBRARY — IBC

Indicates the compliance of the building plan drawing file to permit criteria based on applicable building code

Scrutiny Report
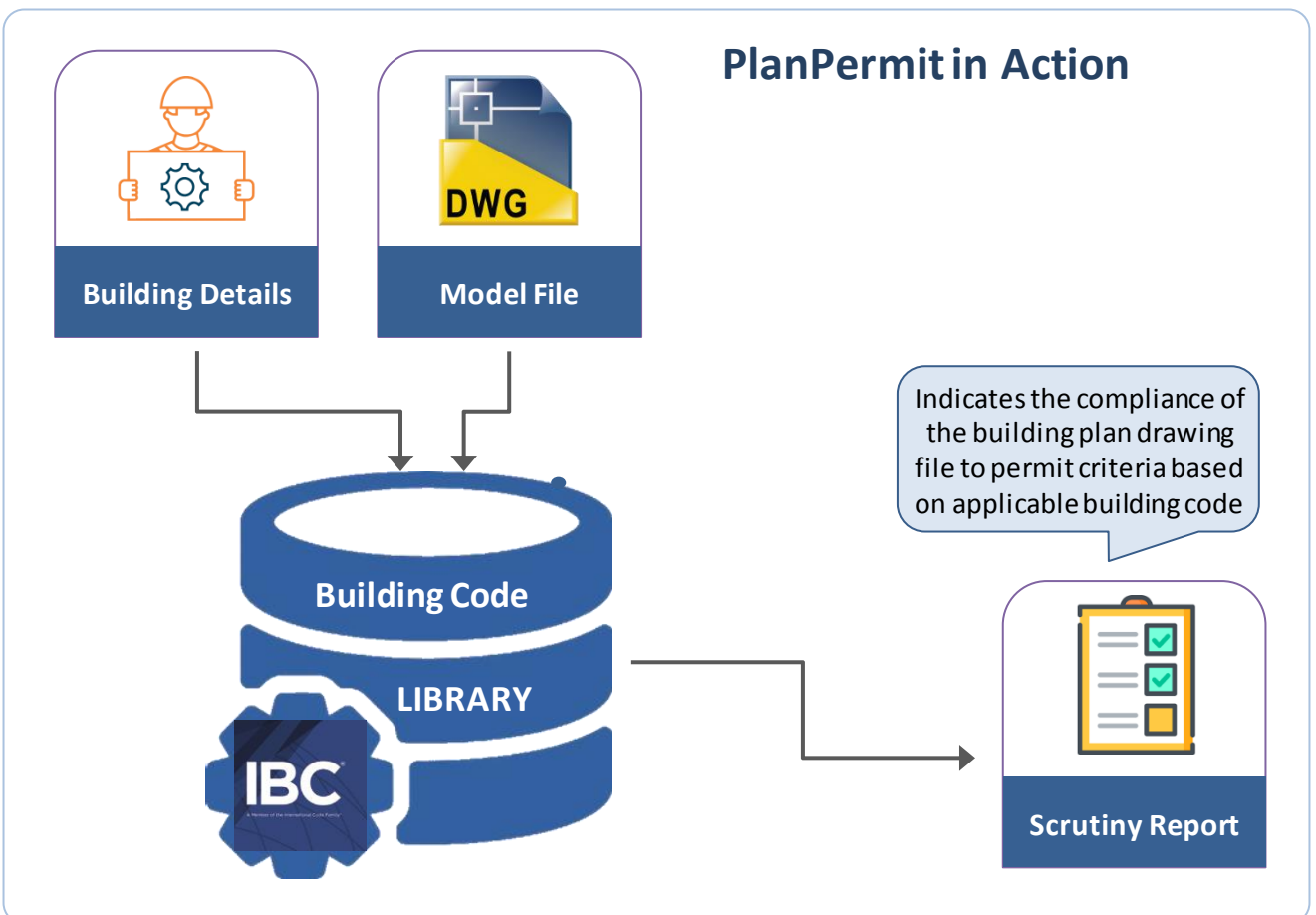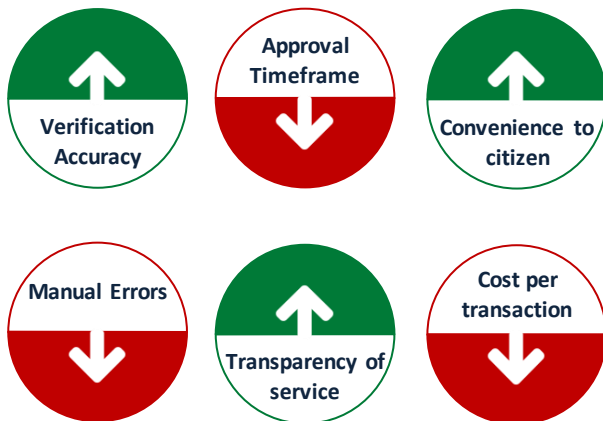
Visible Positive Impact

PlanPermit BPAS makes life easier for the applicants and the development officials who scrutinize building plan applications.

Since the application and drawing is pre-prepared, it can be processed very quickly with minimal changes if required. Also, the complete digitization ensures quick sharing of relevant documents, while SLA based workflow makes the processing predictable and trackable. In effect, the manual and redundant work involved is managed by the system, helping faster processing of building plan applications.
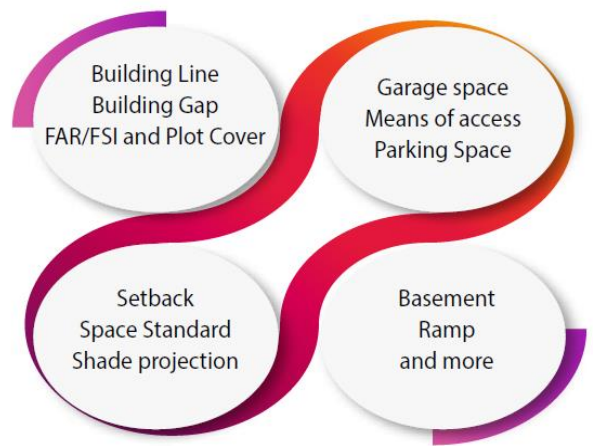
Unique Value Proposition

- Independent of model software; helps non all users to submit plans.
- Supports multiple drawing files; of the same building.
- Values measured directly from drawing objects; and not from the text entered.
- Maximum number of calculated parameters from drawing, for scrutiny.
- Original drawing created by Architect can be used to prepare the application.
- Prepared drawings are converted to non-editable format; ensuring document integrity.

Vital Impact

- Verification Accuracy
- Approval Timeframe
- Convenience to citizen
- Manual Errors
- Transparency of service
- Cost per transaction

What gets verified?

- Building Line Building Gap FAR/FSI and Plot Cover
- Garage space Means of access Parking Space
- Setback Space Standard Shade projection
- Basement Ramp and more

Improved Citizen Engagement

The mode of engagement with citizens changes considerably, and meaningfully. Time spent by citizen from application through approval is reduced by a large margin. Applications can be filed from own home or office, no need to visit development offices. Status and progress can be monitored through dedicated internet portal. Information is shared through mobile and email alerts. All this enhances citizen's confidence and trust in the governance process.

Single data point (Property ID) validates all the applicants and applications

No need for applicants to submit documents generated by department.

Online Mobile Application for Site Inspection by involved agencies

Computer generated certificate with digital signature; verifiable by 3rd parties

PlanPermit BPAS in action

No more Hassles

FROM Manual Submission

TO Online Submission

FROM Manual Verification

TO Automatic Verification

No more Errors

No more Worries

FROM Telephone Calls

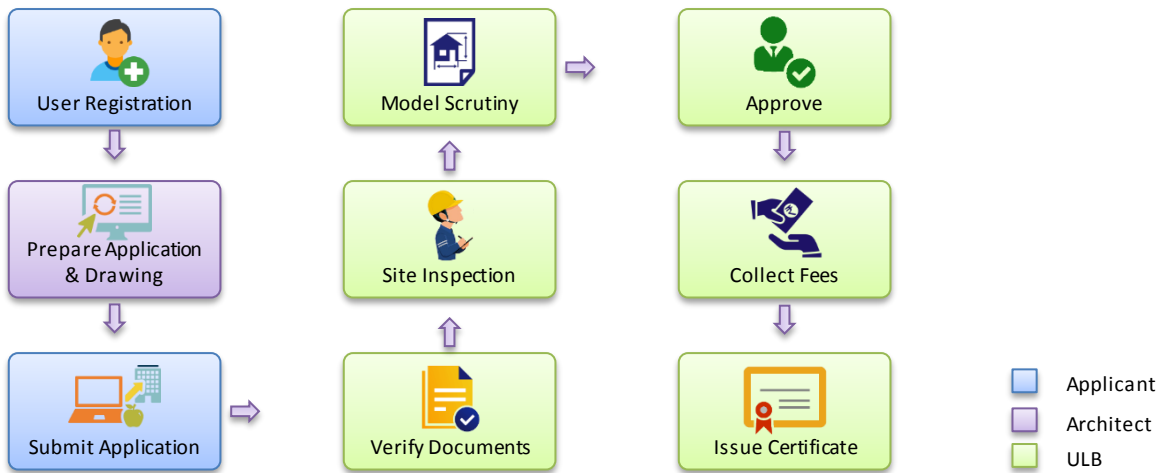**TO Automated Alerts**

FROM Cash Counter Queues

TO Quick Online Payment

No more Delays

Streamlined and Swift Approval

Flow diagram:
- User Registration → Prepare Application & Drawing → Submit Application →
- Verify Documents → Site Inspection → Model Scrutiny →
- Approve → Collect Fees → Issue Certificate

Legend:
- Applicant (blue)
- Architect (purple)
- ULB (green)

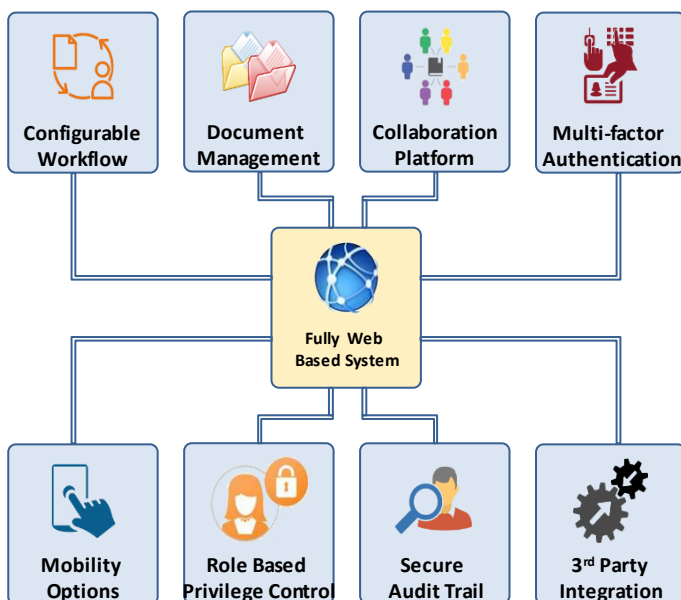# Benefits to All Stakeholders

For Permit Agency

- Reduced effort in scrutiny of drawings
- Quick statistics available across the state
- Reduced errors in verification of applications
- FIFO logic removes partisan approach
- Savings on stationery and paper: Go Green
- Reduced application processing time
- Reduced work backlog / pending applications
- Improved service levels and quality
- Enhanced transparency in public governance
- Integration with relevant government applications assure validated data

For Applicants

- No need to visit office to submit application
- Model drawing can be checked for compliance with bylaws before submitting, reducing chances of revised submissions
- Applicants need not apply for other permits and approvals separately.
- Convenience of online payment to the services
- Can track status of application online
- In case of endorsements, re-submit on portal itself

Constructive Technology Platform

Technology platform components:
- Configurable Workflow
- Document Management
- Collaboration Platform
- Multi-factor Authentication
- Fully Web Based System
- Mobility Options
- Role Based Privilege Control
- Secure Audit Trail
- 3rd Party Integration

Through smart adoption of latest information technology tools, PlanPermit BPAS supports a collaborative environment where documents can be quickly shared between involved parties.

A configurable workflow supports quick movement of file from one stage to another, within defined SLA. Also, using digital signature and encryption mechanisms, the authenticity of documents and certificates are ensured.

Messaging facilities through email and SMS helps in improved interaction with applicants and officials. The integrated mobile app helps in easy co-ordination and completion of activities like site inspection; while online fee payment is of good help to applicants.