

# Fire Permit

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

**SRIT**

[info@sritindia.com](mailto:info@sritindia.com)

**AgniPermit**<sup>™</sup>  
F I P P A S S  
Fire 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

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.

**Deloitte**  
Technology Fast50

Top 50 Fastest  
Growing Tech.  
Company for 4  
consecutive years

Baxter



Serving Fortune  
500 Clientele  
across the  
globe

BCG



# Automatic Verification of Building Fire Code

## Rapid and accurate computer verification of Fire Code directly on the model

Building Fire Permits is a major 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 building fire code like IFC and related safety regulations.

Normally, this takes much time due to manual effort for scrutiny of drawings of the proposed building against applicable development regulations.

This 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 applying citizens and businesses.

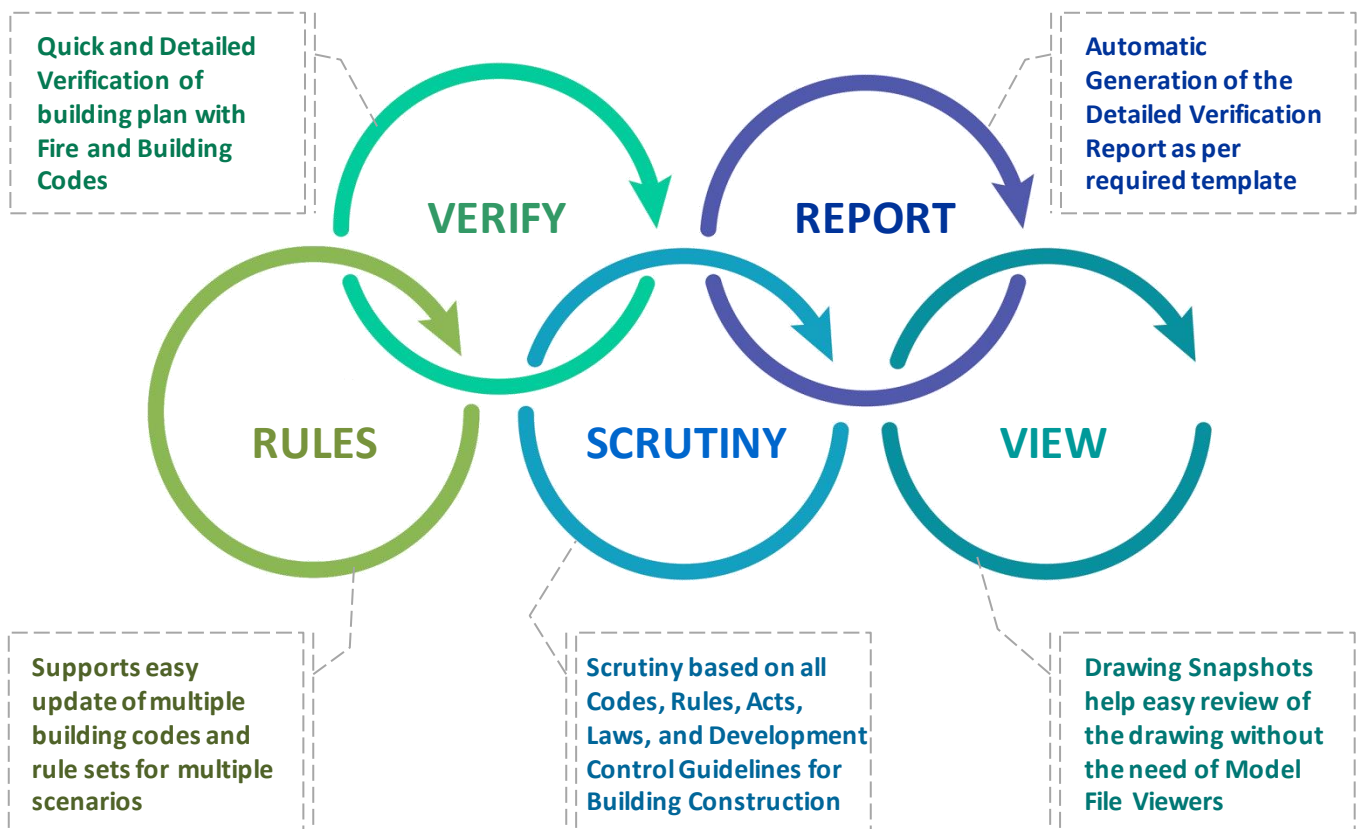
AgniPermit, a Building Fire Permit System from SRIT ensures that a rapid and precise verification of fire code is done by computer analysis of the building model drawing file prepared by the architect.

AgniPermit verifies the building model drawing in within a few minutes provides a scrutiny report indicating which all regulations are being complied to or not.

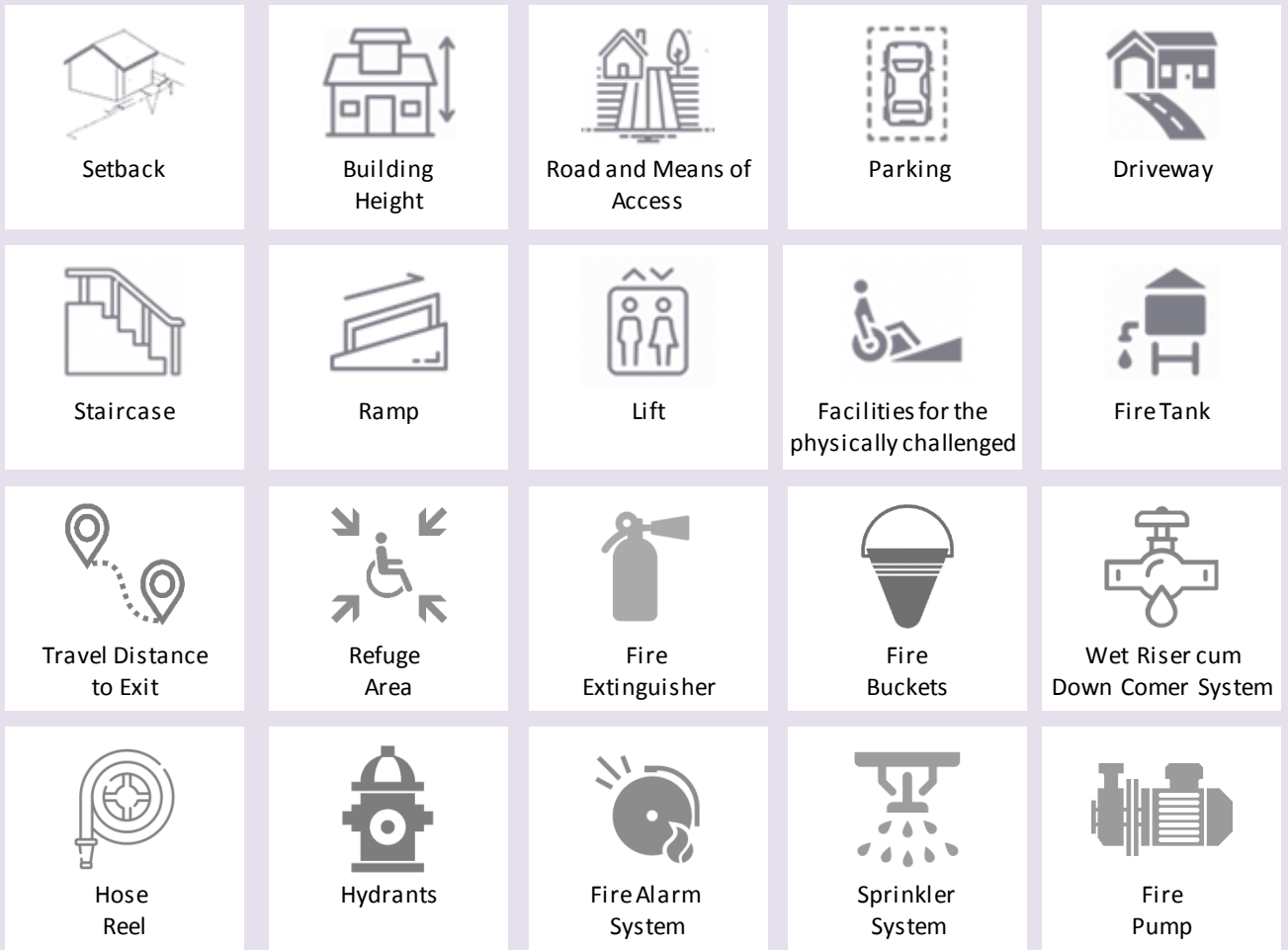
This automated scrutiny of building plans can be done even prior to applying for building permits, so that resubmissions and rejections can be eliminated.

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

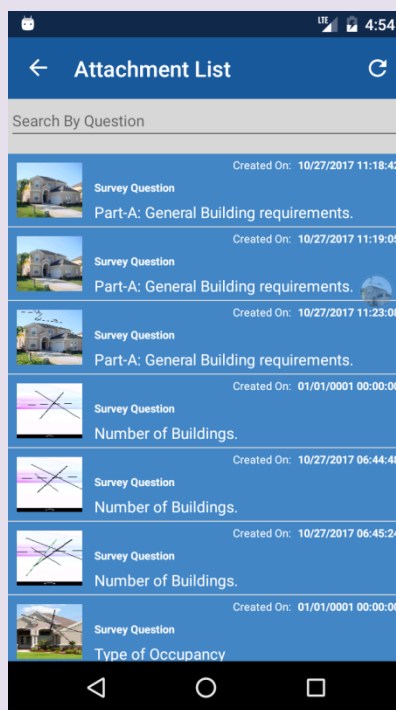
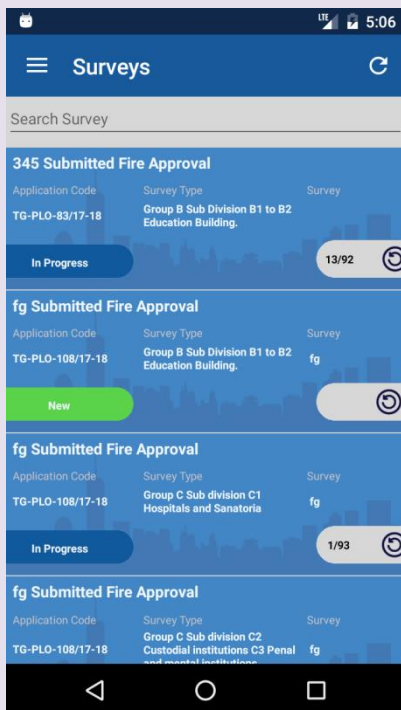
Transparency and predictable service levels are ensured through a configurable workflow. Also, the authenticity of the issued building fire permit is made tamper-proof through use of Digital Signature.

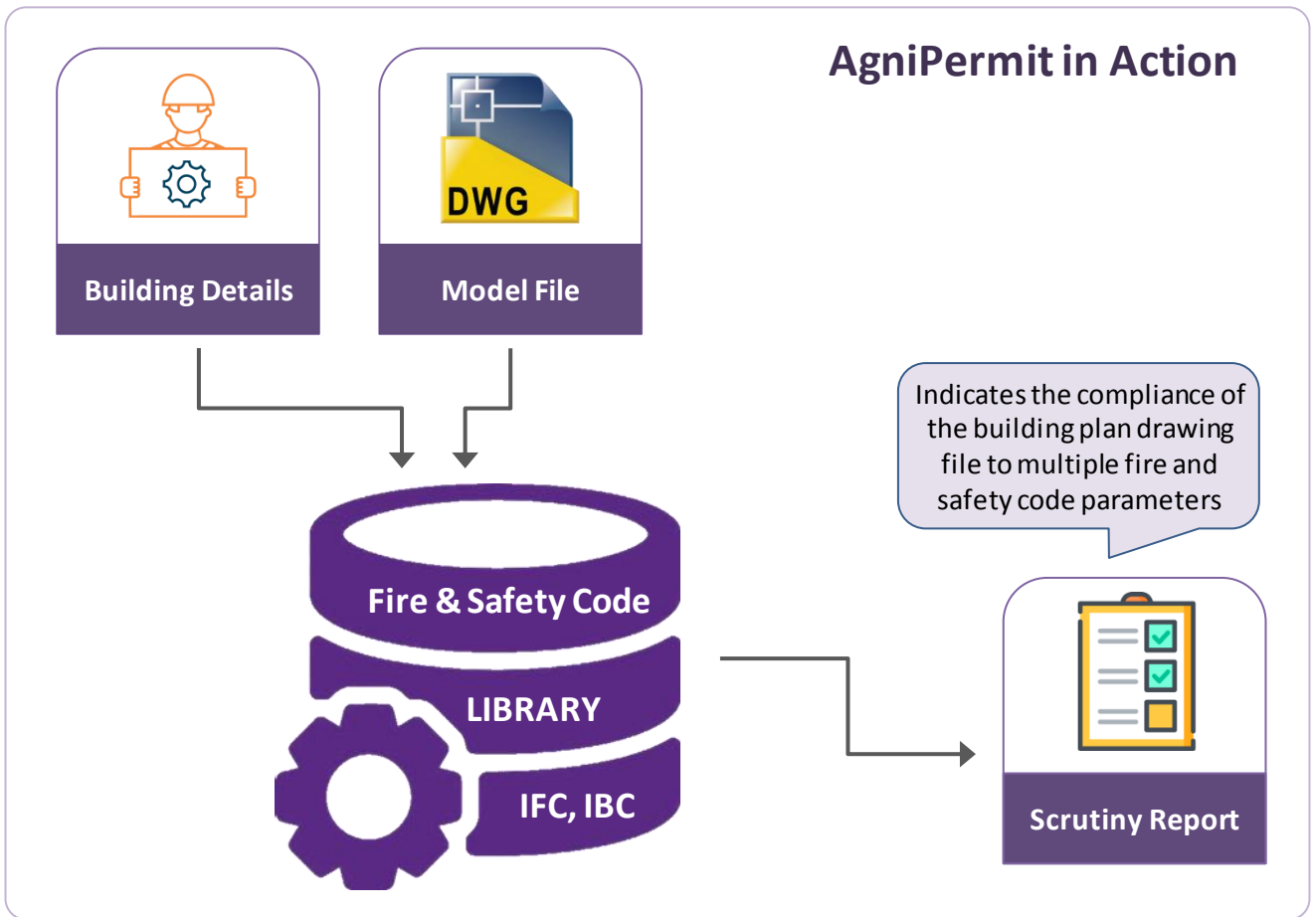


# Key Building Fire and Safety Parameters Verified



## Site Survey through Mobile App





## Visible Positive Impact

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

Since the application is pre-prepared, and drawing is pre-verified, 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 eliminated by AgniPermit, helping faster processing of building plan applications.

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.

## Unique Value Proposition

- 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.

**No need for applicants to visit any offices for obtaining Building Fire Permit**

**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 3<sup>rd</sup> parties**

# The Impact of AgniPermit

**No more Hassles**

**FROM Manual Submission**



**TO Online Submission**



**FROM Manual Verification**



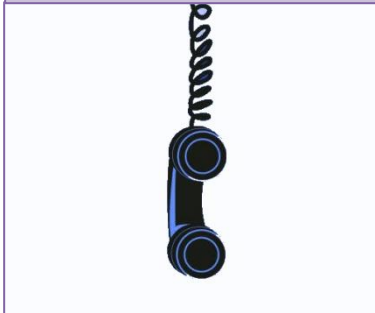
**TO Automatic Verification**



**No more Errors**

**No more Worries**

**FROM Phone Hang-ups**



**TO Automated Alerts**



**FROM Cash Counter Queue**







**TO Quick Online Payment**



**No more Delays**

# AgniPermit: Software System Components

			
<p><b>Model File Verifier</b></p>	<p><b>Citizen Portal</b></p>	<p><b>Department Portal</b></p>	<p><b>Mobile App</b></p>
<p>Marking the Drawing Verification Report</p>	<p>Application Submission Online Payment Application Tracking Certificate Download</p>	<p>Application Processing Scrutiny Verification Workflow till Approval Certificate Generation</p>	<p>Site Inspection Capture Site Photos Capture Geo Coordinates</p>

Completely web driven application with no human intervention from the time of submission till the report generation on the central server.

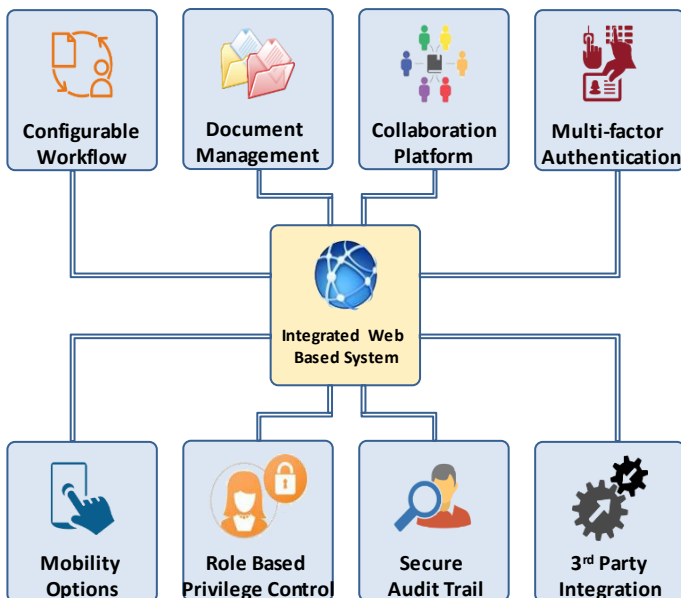
Built in pre check engine that checks for geometry compliance, marks errors on submitted drawings with hyperlinks and returns the drawings to applicants automatically without any human intervention.

Scrutiny engine generates reports on by-law compliance automatically without any human intervention by extracting data from submitted drawings on the server.

Workflow that can be configured as per the needs of Fire Department.

Alert notifications can be configured based on approval through SMS, popup notifications or emails.

## Constructive Technology Platform



Through smart adoption of latest information technology tools, AgniPermit 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 messaging helps in better interaction with applicants and officials. The integrated mobile app helps in easy coordination and completion of site inspection; while online fee payment is of good help to applicants.

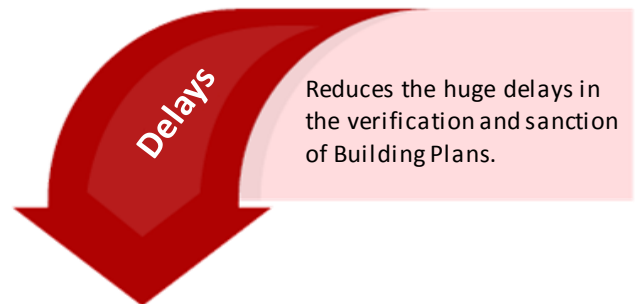
# Dramatic Transition From Manual To Automated Mode

Activity	Manual Mode	AgniPermit Mode
<b>Application</b>	Paper based application at department office	Online submission from home through Citizen Portal
<b>Drawing Scrutiny</b>	Manual scrutiny of drawings	Automated scrutiny of Building Model drawing file
<b>Site Inspection</b>	Manual coordination for separate inspections by agencies	Joint scheduling and inspection with information sharing
<b>Fee Payment</b>	Payment to be done at bank and submit proof document	Online payment
<b>Approval</b>	Manual verification of papers at each officers' desk	Movement of files through predefined workflow with approval
<b>Communication</b>	Walk in visitor or telephone based enquiry desk	Status shared online and through phone messages to applicant
<b>Certificate</b>	Paper certificate with seal and manual signature	Computer generated certificate with digital signature

## Benefits to all stakeholders

### For Applicants

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



### For Permit Agency

- Reduced manual effort in scrutiny of drawings
- 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
- Quick statistics and data available to government from across the state

