

REMOTE CONTROLLED SELF INSPECTIONS (R.C.S.I)

R.C.S.I



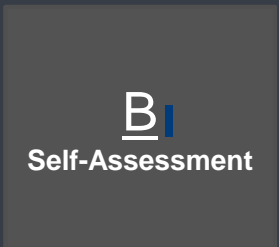
The Vision

PERMITTING METHODS & PRACTICES, BENCH MARKING

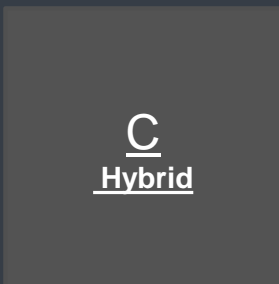
Authority Having Jurisdictions Utilize Two Main Methods Of Permitting :



Full A.H.J Involvement



Limited or No A.H.J Involvement



A.H.J Involvement is based on auditing self assessment AV digital reports generated by GC/Peng during construction.

Country	Process-Based	Self - Assessment	Hybrid
	✔	✘	✔
	✔	✔	✘
	✔	✔	✔
	✔	✔	✘
	✔	✔	✔
	✔	✘	✘

PROCESSED BASED VS. SELF ASSESSMENT (GAP ANALYSES)

A. Processed Based

- Time taken to issue occupancy mostly depends on quality of construction, an average of 1 to 3 month
- Spot checking quality assurance process.
- No clearly defined legal responsibilities
- Expected project delays
- Quality of inspection depends on inspector experience
- Out-dated reporting methods
- Limited knowledge transfer

Moderate Risk

B. Self assessment

- Permit usually issued upon application submittal to AHJ.
- Limited or no quality assurance
- No clearly defined legal responsibilities
- No way to confirm process quality
- No reporting deliverables
- No knowledge transfer

High Risk

No AHJ Inspection

TRADITIONAL PERMITTING SYSTEMS, CASE STUDY

The UK Grenfell Towers Fire Occurred On 14th June 2017,

- 72 people were killed
- Huge Financial Loses
- Reputation & Brand Damage
- A Fire Department Legacy Destroyed
- Government & All Involved Parties Are Liable
- Investigation Still On-going



Definition

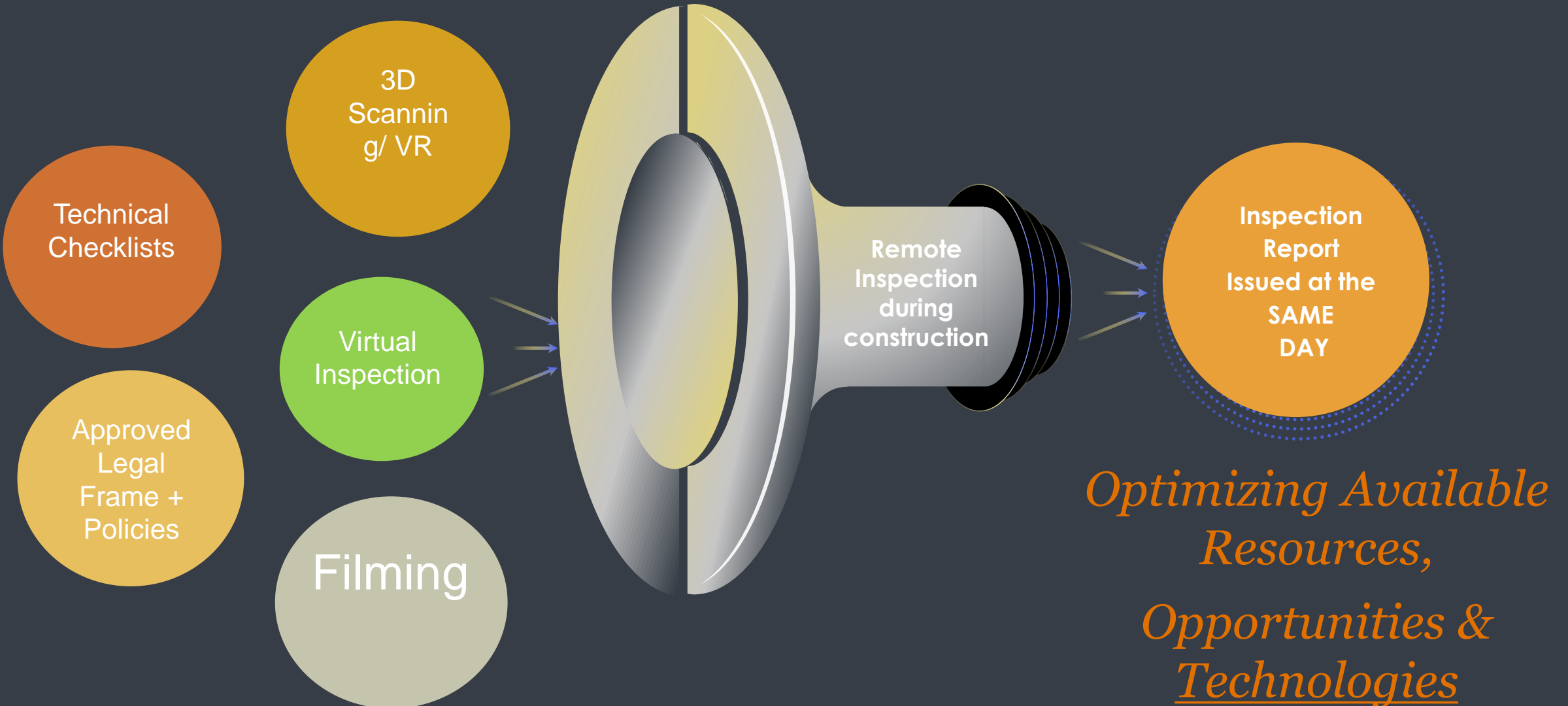
A green smart inspection method ensuring that processes, installations, policies & regulations are being performed, followed and implemented with higher quality than current inspection and reporting methods achieving the highest accuracy in inspection process implementation.

Objectives

- Provide world class **green** Inspection process.
- Re-defined legal **responsibilities** & liabilities
- Enhance inception's **quality**
- Achieve highest levels of **safety**
- Provide an unlimited training resource
- Reduce inspection **costs** & save time
- Ensure **knowledge transfer**
- **Enhanced inclusion opportunities for people with disabilities.**

R.C.S.I

Tools of Implementation



R.C.S.I, PROOF OF CONCEPT

Video

3D Scanning

R.C.S.I CONCLUDING THOUGHTS

R.C.S.I *ARE NOT:*

- AN EASIER METHOD OF INSPECTION
- NEW
- A MONITORING SYSTEM
- YET REGULATED
- *REMOTE*

R.C.S.I *ARE:*

- MORE DETAILED
- A HIGHER QUALITY PROCESS
- BETTER DOCUMENTATION
- INNOVATIVE
- UTILIZING EXISTING TECHNOLOGY
- *A HIGH-QUALITY A.V. REPORTING SYSTEM*

THANK YOU