

# Plastic Injection Molding **Tool Transfer**

## WHITE PAPER

Struggling with bad parts, missed deadlines, and tight budgets can take its toll.

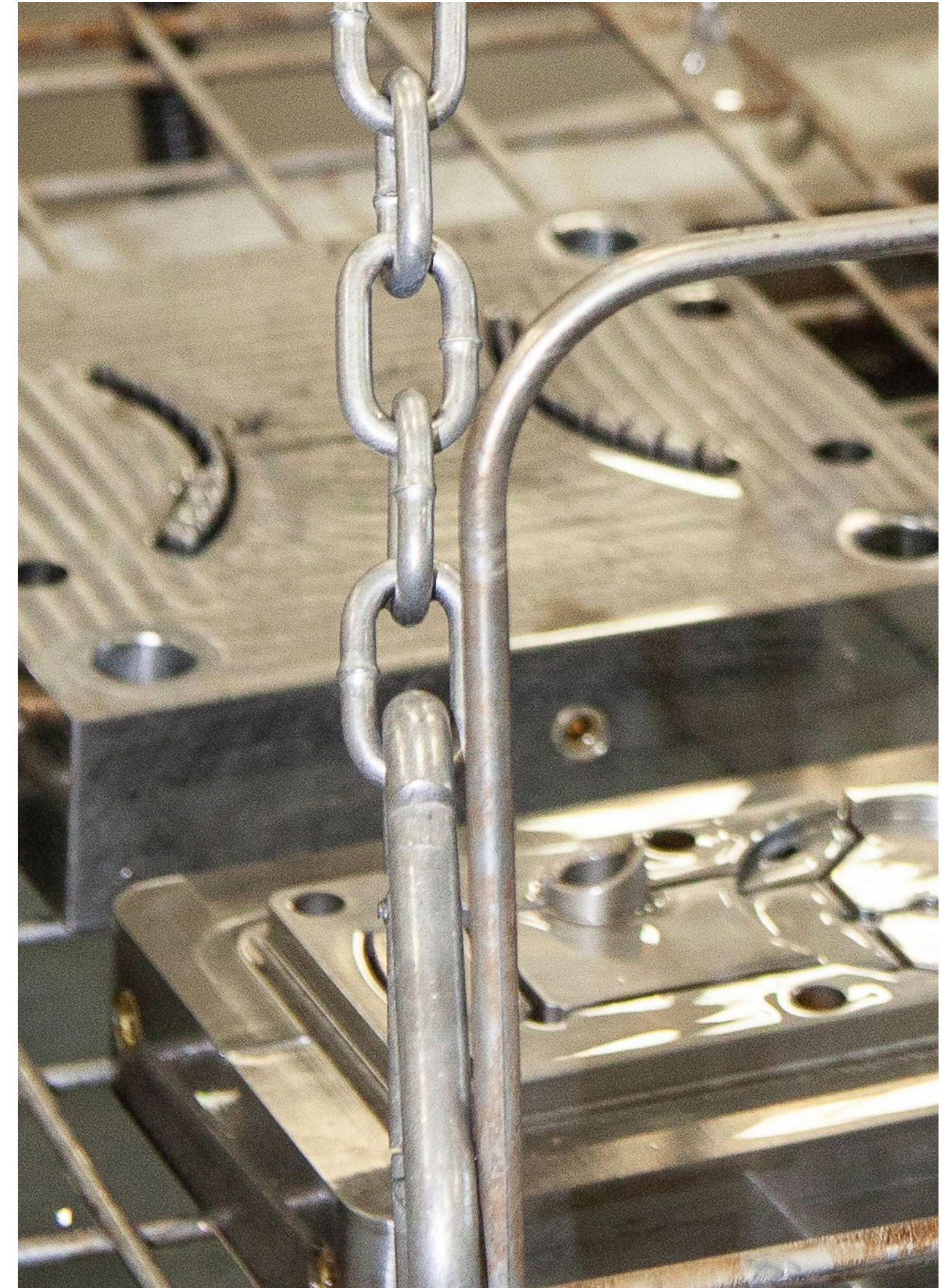
Recognizing these problems early is key, saving you from losses and leading to smoother operations with solutions like tool transfer.





# Facing Injection Molding Challenges?

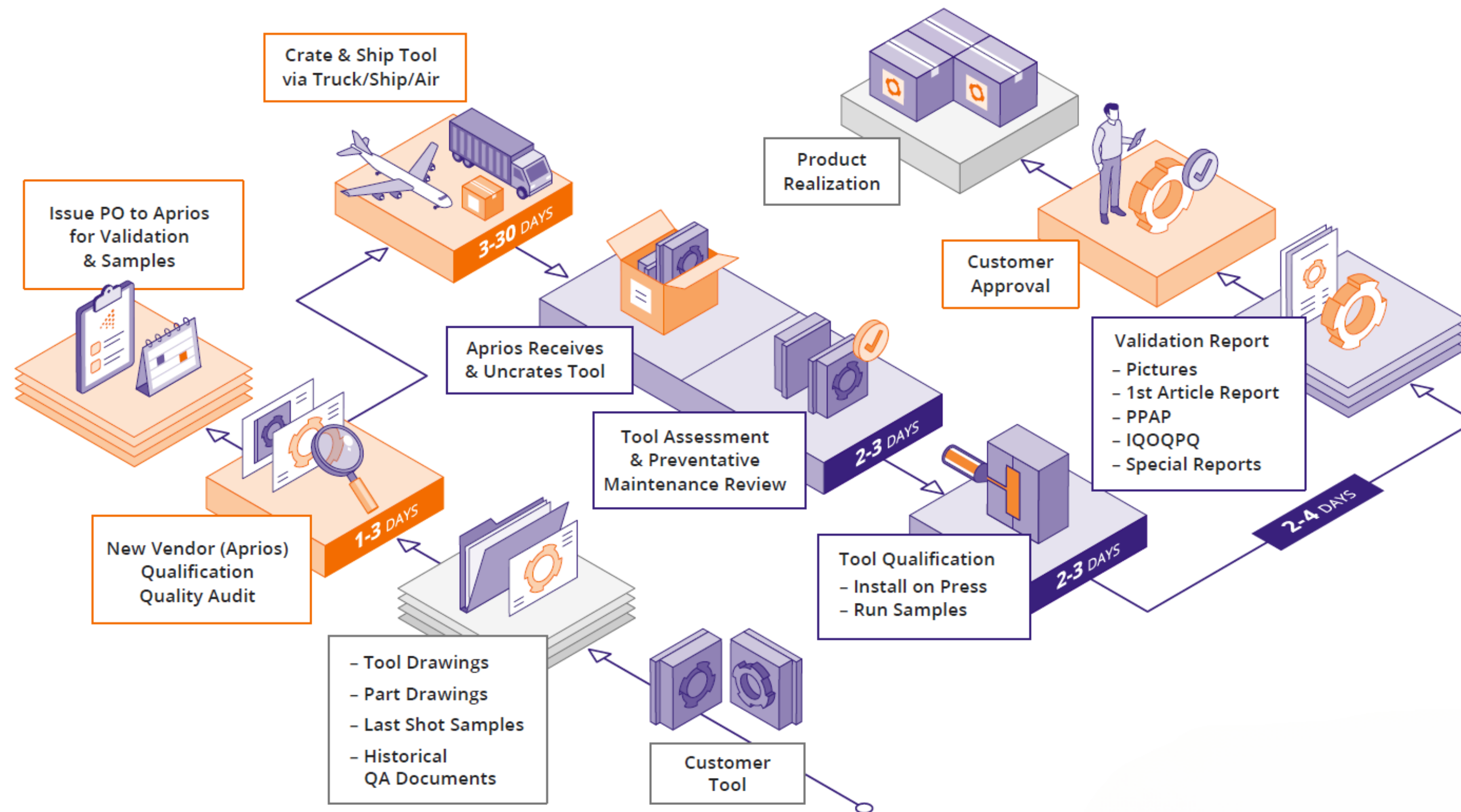
- **QUALITY:** Parts often falling short of specifications, demanding a focus on high standards.
- **TIMELINESS:** Late shipments as a regular issue, highlighting the need for on-time deliveries.
- **COST:** Customers seek more affordable solutions, pushing for competitive pricing.
- **CONSOLIDATION:** The desire to simplify by using a single vendor for multiple parts is increasing.
- **ONSHORING:** Due to supply chain disruptions and geopolitical tensions, there's a shift towards relocating manufacturing closer to home.





# Overview of Tool Transfer

In plastic injection molding, tool transfer is the process of moving production tools from one supplier to another. This often occurs due to various business needs such as cost reduction, quality improvement, or supply chain optimization.



# Common Challenges



## 01

### TOOL CONSOLIDATION

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Ensuring existing tools fit with new injection molding presses.

## 03

### LOGISTICS MANAGEMENT

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Coordination of transport and delivery schedules.

## 02

### QUALITY MAINTENANCE

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Preserve quality during a transfer and validation of the mold at the new location.

## 04

### TIMELINE COORDINATION

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Coordination inventory levels on both ends and meeting deadlines amidst transfer.





# Planning and Communications



## PLANNING

Develop a comprehensive plan considering all aspects of the tool transfer process. Include risk assessments and contingency plans.



## TEAM COORDINATION

Coordinate between different teams such as engineering, quality control, and logistics to ensure a unified approach.



## COMMUNICATION

Establish clear and consistent communication channels between all parties involved. This includes internal teams and external suppliers.



## STRATEGY TO LIMIT RISK

Identify risks, plan contingencies, monitor progress, adapt strategies, and prepare solutions.



# Essentials of Tool Transfer

## DOCUMENTATION, SUPPLIER ROLE, AND QUALITY ASSURANCE

- **DOCUMENTATION FOR TRANSITION:** Include crucial part specifications, molding processes, and tool drawings.
- **SUPPLIER'S TRANSITION ROLE:** Responsibilities include mold evaluation and adjustments for new settings.
- **QUALITY ASSURANCE:** Conduct first-article inspections to ensure design and quality standards.







# Management & Assessments

## DEDICATED TRANSFER MANAGEMENT TEAM

Comprising experts from engineering, quality, and logistics, is crucial for overseeing the tool transfer. This team not only manages the process but also conducts thorough on-site assessments.





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**THANK YOU!**

