

# MECC 2020 Environmental Audit Success

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#### **Environmental Audit Success**

#### Road Map to a Successful Audit

**Defining Audit Scope** 

**Document Collection and Review** 

Resource Scheduling

**On-Site Evaluation** 

Audit Follow-up

#### Digital Trends Accelerated by COVID 19



## Road Map to a Successful Audit

#### **Step 1 – The Game Plan**

#### What is the objective?

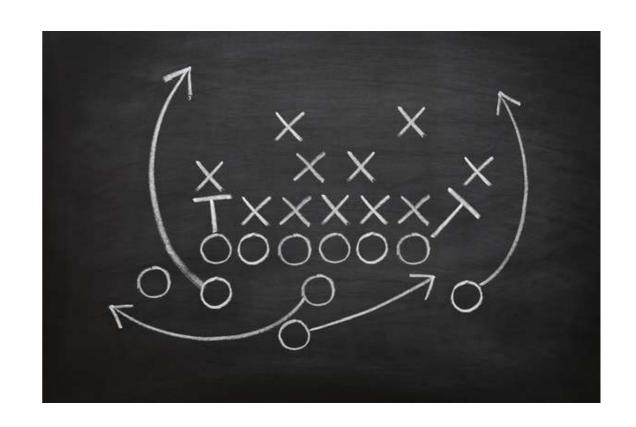
Quick and high level?

In depth review?

Checking what is in place or questioning if what is in place is appropriate?

What does the output look like?

How are you going to track follow-up?



#### **Step 2 – Document Collection**

# Time is precious – now more than ever – optimize!

Set up a project site (Sharepoint or FTP) for the facility to transfer digital records

Review documents before the on-site review so you know what gaps need to be addressed

Come up with a list of what is missing that you'll still want to see in person

Are assumptions from the game plan still valid?





Have a back-up plan in place in case the original contact isn't available.

# Step 3 – Schedule Key Players

Work with the facility to identify relevant attendees and schedule on-site activities

Be mindful of facilities with non-standard shifts

Include stakeholders in opening/closing meetings



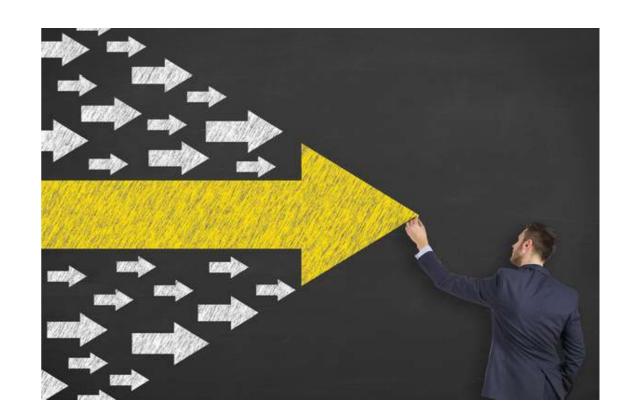
#### Step 4 – Implementation

Review current safety procedures and policies

On the auditor side – provide positive feedback, don't just identify non-conformance

On the auditee side – reserve a conference room where the team can spread out

Explain things as you go – what are you looking for when you review? What's good? What could use improvement?



#### Step 5 – Follow-up

Develop an action plan
Prioritize findings based on audit feedback

Look for systemic issues
common themes across facility
multiple findings in a work area
repeat findings year over year

Identify resource requirements and constraints

Capital improvement project to repair or replace faulty equipment

Training for facility operators

New procedure development



## Digital Trends Accelerated by COVID-19

## **COVID-19 Response**

**→** 

COVID-19 restrictions – auditors are unable to visit sites, particularly locations requiring air travel

Facilities still need compliance audits conducted per corporate policies or for maintaining external certifications



#### Mobile cameras/headsets:

- Worn by auditor or facility personnel
- Some tools come with hearing protection headphones
- Some tools use heads up display with verbal commands, allows person to work hands free
- Connects with MS Teams via mobile app – allowing for remote viewers, recording of video and audio

# Innovating through technology



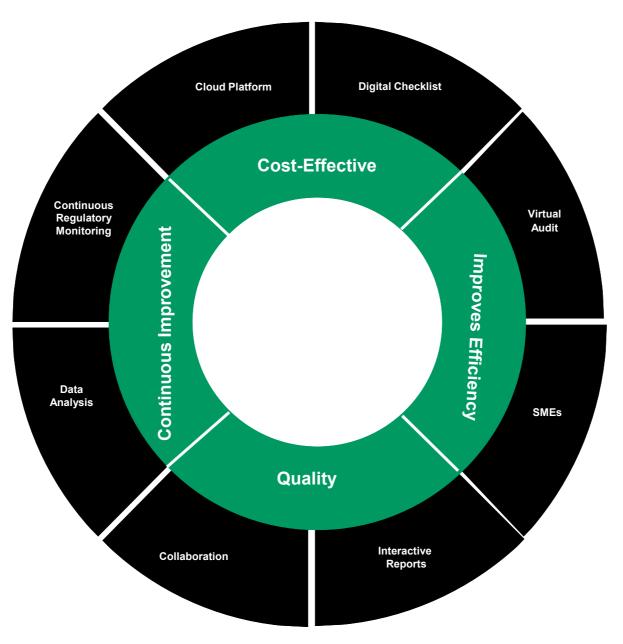
### Virtual Walkthroughs – 360° Camera Technology

- Allows for more diverse attendees
  - Subject Matter Experts (SMEs) and Corporate Staff can attend part or all of the audit without time and expenses for travel
- 360 camera technology allows the participants to rotate and view all angles at will for the duration of the video even while the video is paused. Provides the ability to look around and further examine important site features.
- Virtual walkthroughs can be recorded, saved, and posted on secure web-sites for further review or to revisit during audit report preparation or corrective action development.

#### Digital Trends Accelerated by COVID-19

- Digital cloud platforms for data collection
- Web enabled checklists
- Virtual collaboration to eliminate travel
- Multi-disciplinary SMEs virtually
- Reduce potential COVID-19 exposure by minimizing number of people on-site
- Virtual walk-thru using 360 degree cameras, live streaming
- Findings in a database for analytics, historic comparison and corporate-wide evaluation
- Collaborative virtual interaction with multi-disciplinary SME for reports to save time
- Semi-automated report generations ensure global standardization

#### **Digital Audit Benefits**





# \* Thank You

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