



NEW PRODUCTS NEW IDEAS

Honeywell

Honeywell Electrical Compliance Support

Electrical (Arc Flash) Assessments

- ***Required every 5 years by NFPA 70E.***
- **Key Deliverables:**
 - Fault Current Study
 - Short Circuit Study
 - One Line Diagrams
 - Arc flash labeling
 - Equipment Evaluation
 - Coordination of overcurrent devices
 - Ongoing support

Electrical Training

- ***Required every 3 years by NFPA 70E, recommended refreshers every year.***
- Classroom 2,4, 8 and 16 hour courses for general and qualified workers
- E-Learning Courses
- Webinars Available

Other

- Thermography
- Design
- Preventative Maintenance
- WESP's
- Mitigation
- Modeling
- Consulting
- And, much, much more!

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Honeywell Salisbury Value

- **Turn Key Solution**

- **Based on the electrical assessment results Salisbury can provide its electrical PPE expertise for full electrical safety compliance**



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Honeywell Smart Arc Flash Labels

SAS Connected Label Prototype



! WARNING

Bus: BUS-0221 Prot: MaxTripTime @0.5s
Appropriate PPE Required for Arc Flash and Shock Risk

ARC FLASH PROTECTION	SHOCK PROTECTION
Working Distance (WD): 18 in	Exposed Voltage: 240 VAC
Min. ATPV @ WD: 5.82 cal/cm ²	Glove Class: 00
AF Boundary (1.2 cal/sq cm): 47 in	Limited Approach: 42 in
Available Fault Current: 7.73 kA	Restricted Approach: 12 in

PPE:

- Arc-Rated Suit & Pants (or Coveralls) or Arc-Rated Flash Suit
- Hard Hat
- Face Shield & Safety Glasses or Arc-Rated Hood
- Safety Glasses or Goggles
- Hearing Protection
- Arc-Rated Gloves & Leather Footwear

Scenario: Utility

Salisbury Assessment Solutions
101 E. Crossroads Parkway Suite A
Bolingbrook, IL 60440 USA
1-888-429-0389 1-877-405-4501
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Scan any equipment / PPE with either RFID tags or barcodes.

Safety Suite



Minimize your safety incidents - and your downtime.

Pass **Fail**

- Crosscheck assigned equipment inspections
- Crosscheck Approved User
- Crosscheck Valid Training
- Crosscheck PPE Ratings & Components with Arc Flash Label
- Check Critical PPE Inspections (Gloves)
- Check Work Permits (e.g. De-energized vs energized)
- Check Maintenance History
- Assign Jobs to Specific Assets and Workers

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Honeywell Connected Worker

Better, More Comfortable PPE

In the past 20 years we learned how to protect electrical workers from the arc flash

Work is on now to develop a more comfortable updated PPE

New line will be ready early next year

ISSUES	DISADVANTAGE
Garment (fabric) weight	<ul style="list-style-type: none"><input type="checkbox"/> Decreases comfort<input type="checkbox"/> Increases perspiration<input type="checkbox"/> Risk of overheating
Fabric breathability	<ul style="list-style-type: none"><input type="checkbox"/> Increases perspiration<input type="checkbox"/> Increases need for breaks (reduces efficiency)<input type="checkbox"/> Increases risk for fainting
Restricted range of motion	<ul style="list-style-type: none"><input type="checkbox"/> Harder to move around/complete tasks<input type="checkbox"/> Discomfort
Look	<ul style="list-style-type: none"><input type="checkbox"/> Wants to be seen in the PPE<input type="checkbox"/> "If [the PPE] is ugly workers won't want to wear them"
Asset Management	<ul style="list-style-type: none"><input type="checkbox"/> Increasing pressure for accountability and efficiencies for managers

Honeywell Salisbury Additional Rubber Gloves Capacity

Honeywell Salisbury recognizes the need for the additional manufacturing capacity and the work is underway

Next year we will have 15-20% additional capacity manufacturing insulating rubber gloves and will see the reduction in delivery time