Ashish Parikh
ashish.parikh@arrow.com
June 16, 2020

“Corona Tech”

Understanding the landscape of technology solutions for getting people back to work safely

Five Years Out

Why?

Get back to “normal” safely

How?

POLICY

- WHO
- CDC
- State
- County
- City

EDUCATION

- History
- Facts
- Access

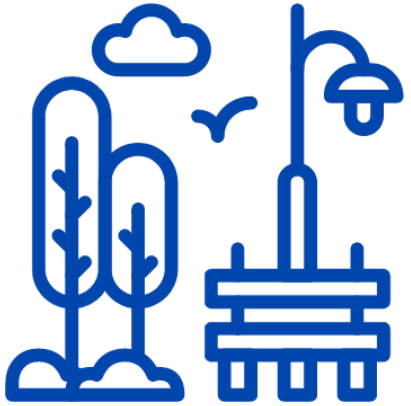
TECHNOLOGY

- Protocol Management
- Exposure Notification
- Social Distancing
- Contact Tracing

Where?

Private Business

City & State Offices

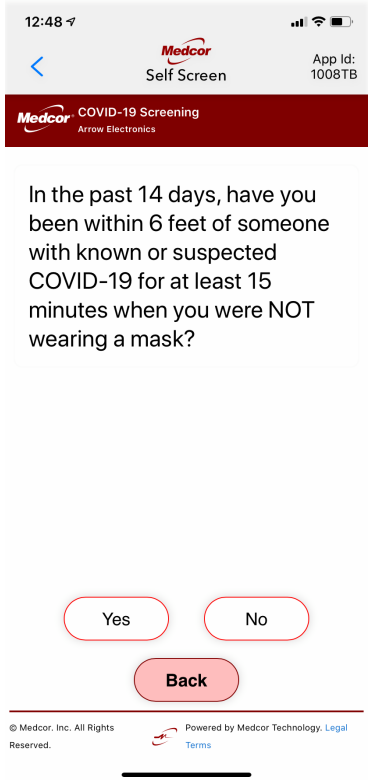


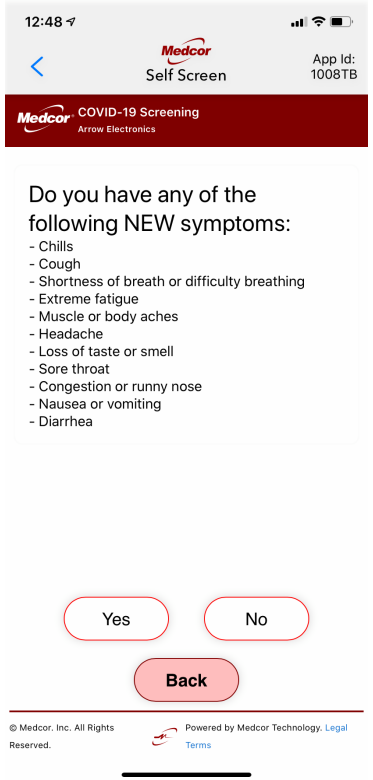
Public Spaces

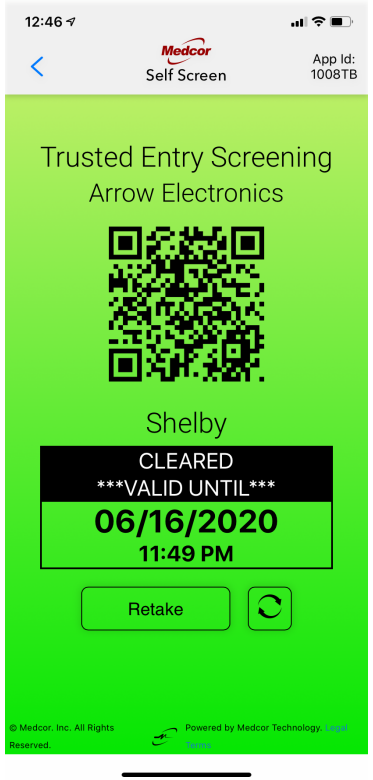
Technology

PROTOCOL MANAGEMENT

- Symptom Checker App
  - Optional – Temperature Check
- Enhanced cleaning procedures
  - Personal Protective Equipment (PPE)
- Considerations:
  - Build or buy?
  - Data privacy and security
  - Policy



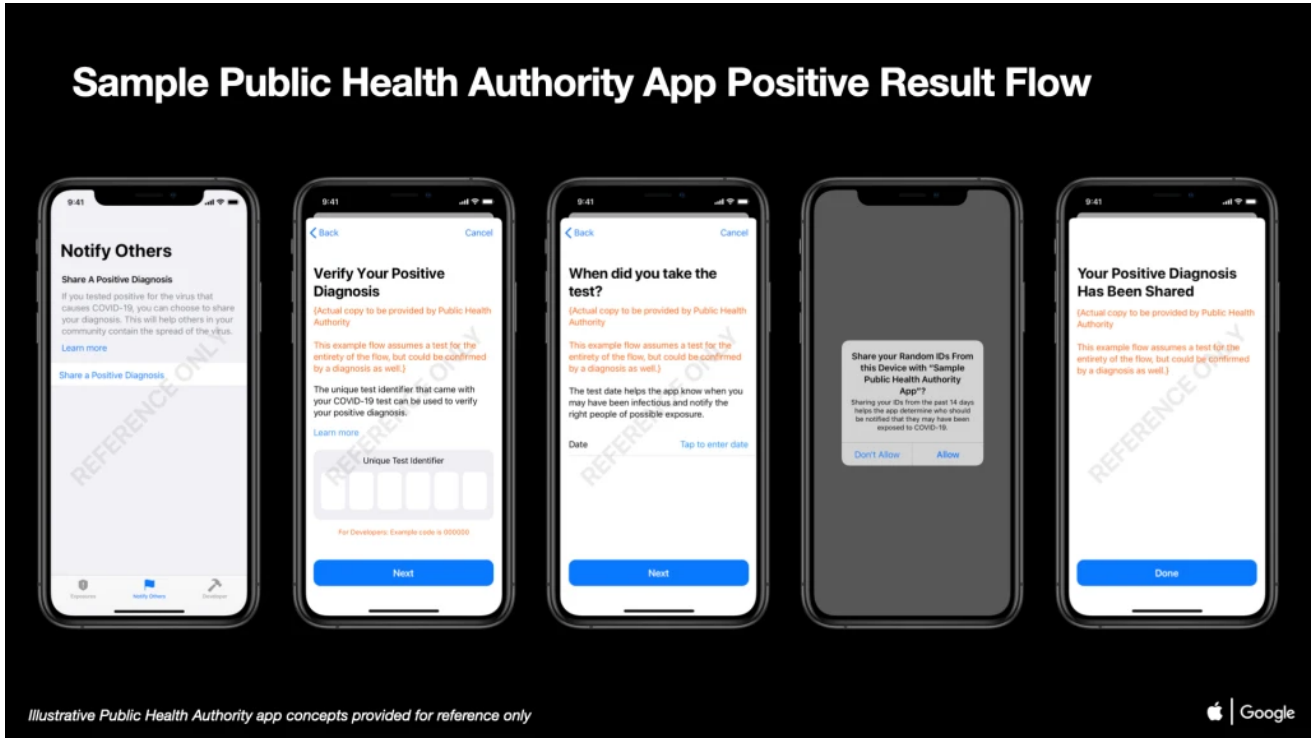




Technology

EXPOSURE NOTIFICATION

- Apple/Google Collaboration
  - Broad adoption is key, cross platform
  - Speed of notification
  - Privacy – user controlled, no central database
  - Exposure Notification ≠ Contact Tracing
- Other apps available but
  - Privacy
  - Battery life
  - Adoption

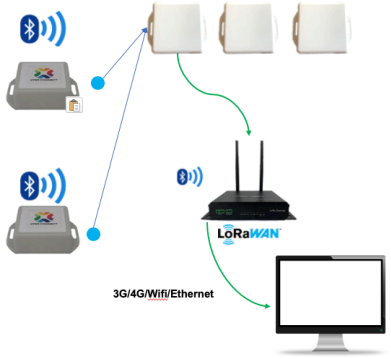


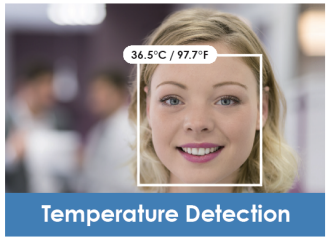
Technology

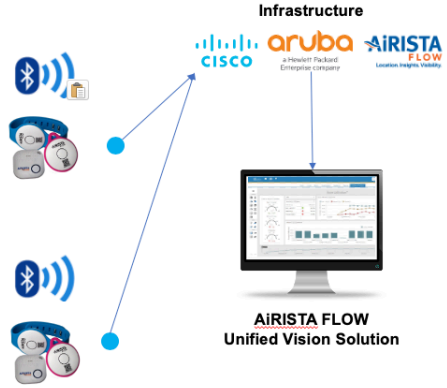
SOCIAL DISTANCING & CONTACT TRACING

	WiFi	Bluetooth	Vision/Edge AI
Advantages	• Leverage existing infrastructure with applications • Fast deployment • Cost	• Social Distancing **and Contact Tracing** • Accuracy • Phone based or Device based • Audible notification	• Flexible with multiple AI models – mask, temp, identity, queue • Can be paired with LiDAR solutions for 3D depth • Privacy – with LiDAR or edge only inferencing
Concerns	• Accuracy • Notification • WiFi must be turned on	• Privacy • Cost • Infrastructure • Outside the “bubble” issue	• Cameras are 2D • Privacy – if data is streamed and processed centrally

Arrow Solutions







What’s the right solution for me?

Arrow Engineering Service Offerings

INNOVATE

- Ideation/ Design Thinking
- Hardware Implementation
- Software/App/Cloud Implementation
- Design & Validation
- Prototype & Testing
- Certification Services

TRANSFORM

- Products
- Business Models
- Processes
- Value Engineering (Sustenance & Reengineering)
- Cloud Migration
- Legacy Modernization

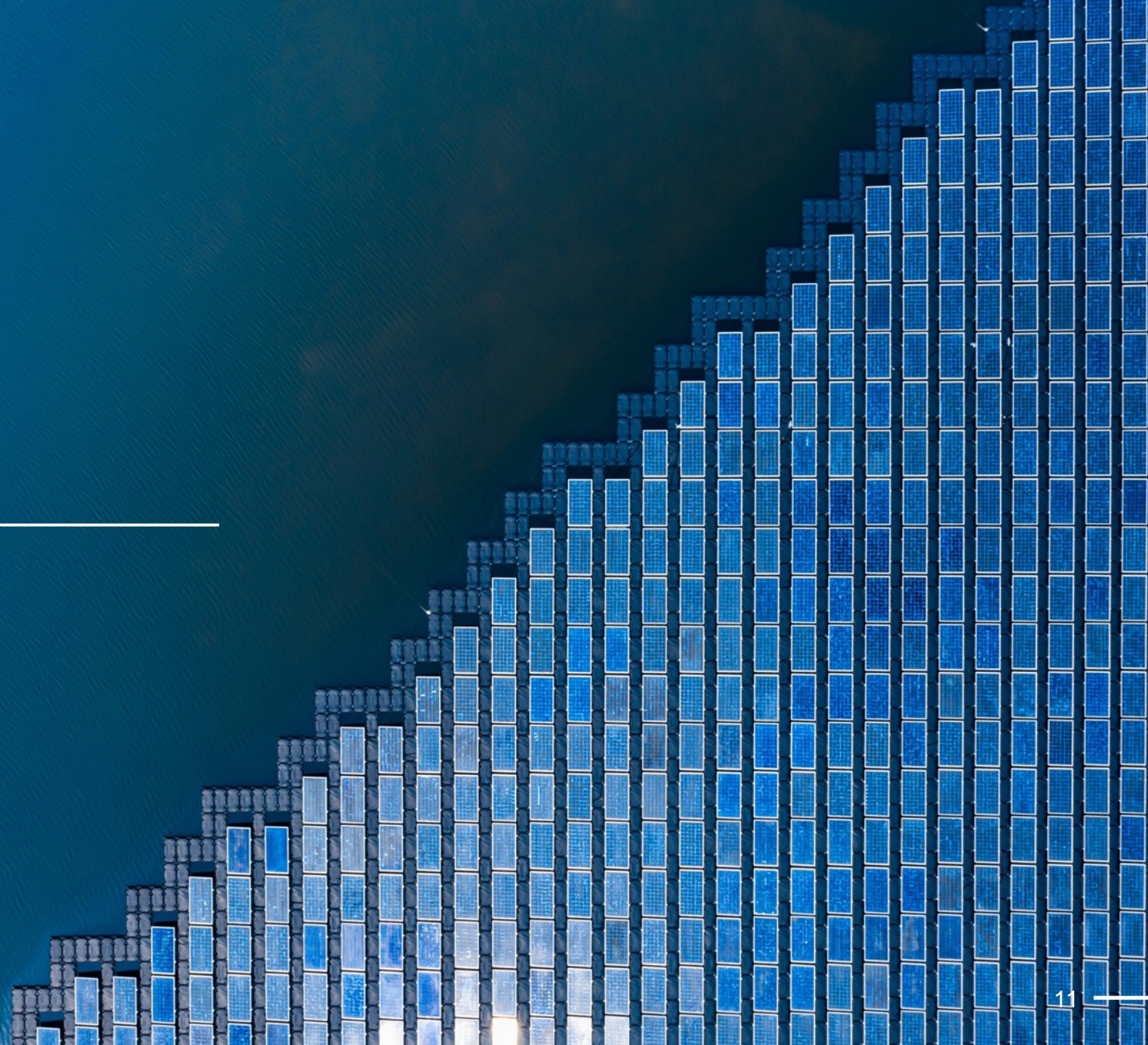
SCALE

- Remote Device Management
- CloudOps & DevOps
- Manufacturing
- Supply Chain Services
- Order Management, Fulfilment & Logistics
- Support Services

Learn More

arrow.com

eInfochips.com

Contact Us

iot@arrow.com