

# IFMA Airport Facilities Council

**SLC, Utah**  
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# Introduction



## Seth Bergman

- General Manager - Schindler Elevator
- 26 years industry experience

## Taylor Sanford

- Project Manager – SLC Airport
- 25 years industry experience



# Evolution of Equipment Elevators



## THEN

- Big and bulky equipment.
- Motor/Generator set. Inefficient D/C motors
- Unstable Ride Quality. Yo-yo effect.
- Limited safety devices

## NOW

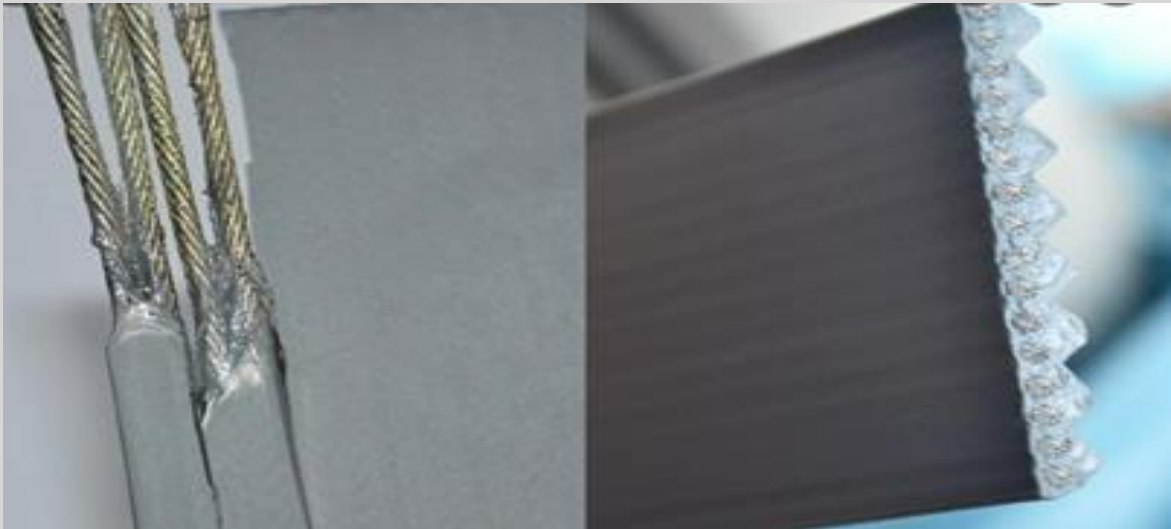
- Smaller, space saving machines.
- VVVF Regen Drives. Highly efficient A/C motors
- Smooth ride quality. No yo-yo
- Added safety features for riders



# Belts vs Cables

Cables require much larger diameter sheaves

Belts can bend at a tighter radius



# Evolution of Equipment Escalators and Power Walks



## THEN

- Big and Bulky
- Large Balustrades and Handrails
- Built to run under any circumstance
- Dangerous to Passengers

## NOW

- Sleek and Stylish, Space Saving
- Built to stop when problems arise
- Smooth Ride Quality
- Added safety features for riders
- Efficient A/C motors



# Energy Efficiency

All Escalators and Power Walks equipped with “Crawl Mode”



- Crawl Mode reduces the speed to 25% of normal operation.
- Infrared sensors are used to softly bring the unit back to Normal speed when a passenger approaches.
- Gear reduction and Solid-State drives allows for smaller HP motors.

# Remote Monitoring via IoT

- Cloud based data collection.
- Provides real time shutdown notification.
- Allows for predictive maintenance vs preventive maintenance.
- Pinpoints problem areas so Technicians fix the problem the first time.



# Live Q&A

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