

The Future of Model Railroading – Slide Notes

Slide 1 & 2

- To talk about the future, we have to talk about the past and how we got here over the last 30-40-50 years.

Slide 3

- The model railroad industry has always grown in the hobby industry.

Slide 4

- We don't invent stuff that gets used in other industries.

Slide 5

- Nice saying!

Slide 6

- Anyone ever said any of these?

Slide 7-10

- History of Radio Shack.
- New Radio Shack Express stores integrating with Hobby Town USA.

Slide 11

- Impact of how rechargeable batteries did not work for the consumers.

Slide 12

- How rechargeable batteries are used today.

Slide 13

- Battery charging times are superfast compared to previous versions.
- My cell phone can charge in 15 minutes.
- Capacity is increasing.
- Shapes are becoming a thing. Imagine a electric car where the fenders are the battery.

Slide 14 & 15

- Flexible batteries
- 3D printed batteries

Slide 16 & 17

- How we will use this new capability.
- Add fueling stops (recharge the batteries without wires).
- Create more realism in our operations.

Slide 18 – 20

- What is RFID and how has it evolved over the years. Used by the prototype, so it can also be used by us!

Slide 21

- RFID products that are available today.

Slide 22 & 24

- Future we will see in RFID technology

Slide 23 – 25

- How we control our trains has changed, previously it was all about power.

Slide 26 & 27

- Current communication technology is shared, the future will provide non-shared solutions.

Slide 28

- How do manufacturers provide and meet customer demands – 3D's.

Slide 29 – 31

- Resolution and materials are improving in the world of 3D printing.

Slide 32 – 39

- 3D printing can produce items we can't produce today with injection molding technologies.

Slide 40 & 41

- How we will use 3D in the future – for just about everything.

Slide 42 – 44

- Various options exist but can we make it easier?

Slide 45 – 47

- We will adapt hand signals into our hobby for coupling/uncoupling, switch throughs, and perhaps throttle.

Slide 48 -53

- How will camera's, computer's, and the Internet allow us to operate from anywhere.

Slide 54 & 55

- Summary & Close