

Quality Design In Electronics Manufacturing Consumer Versus Professional Products Presented By Perry Goldstein



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Who's this Perry Goldstein guy?

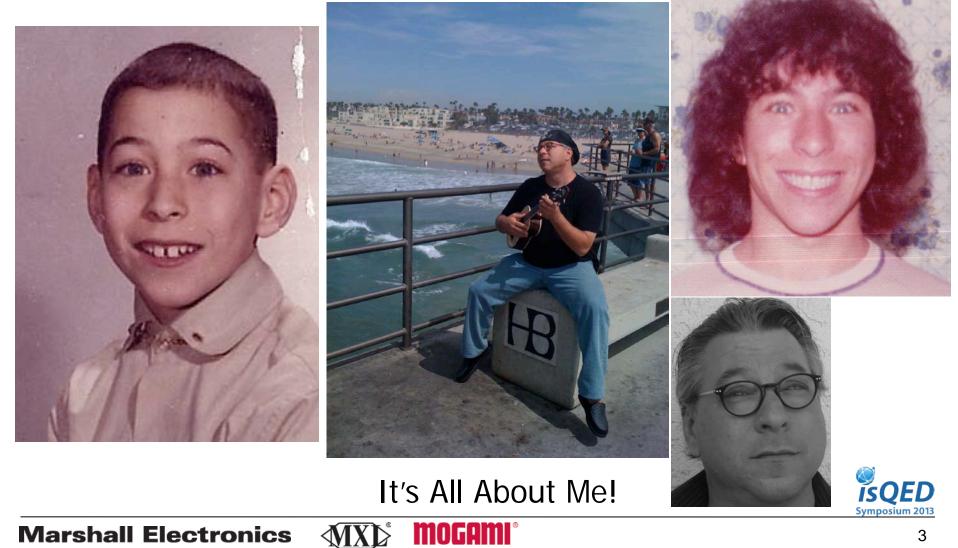




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Perry Goldstein Bio



- Director Of Sales & Marketing
- Product Development Committee
- Marshall Electronics
 - Broadcast monitors
 - Ip cameras
 - Specialty lenses
- MXL Microphones
 - Mics for all occasions
- Mogami Cable
 - The cable of the pros



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I am a



born salesman

I Sell What You Build!!!

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Symposium 2013

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Broadcast / MultiMedia | ProAudio | MXL Microphones | Cables & Connectors | Optical System | Industrial Video & Security





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23 Years Consumer electronics division



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30

Marshall Electronics Pro A/V 4 Years

Marshall Electronics



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mogami®



Quality Means More Than Building A Product To Last It Means Building It To Work For Its Intended Use



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Bakes a cake Makes rice Defrosts 24 different heat settings Browns food Crisps food Timer cooking A zillion other features





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Consumer Electronics Lifecycle

Obsolescence is based on the following criteria

New Features

New Cosmetics

New Technologies

Marketing Lifecycle



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Professional Electronics Lifecycle

Obsolescence is based on the following criteria

New Features

New Technologies

Long term lifecycle is desirable



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MOST CONSUMER ELECTRONICS CAN LAST 25 YEARS +



1971 Panasonic Stereo System Still in operation today

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Case Study #1

USB desk microphone used for medical dictation





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A Tale Of Two Mics



A Tale Of Two Mics



All metal chassis Large electret capsule Low noise PCB \$79.95 Plastic chassis Low cost mic capsule Low cost PCB \$29.95





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A Tale Of Two Mics





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Case Study #2

USB Web Chat Mic For Conference Rooms





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Can you hear me now?





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Can you hear me now?



∕MX♪° **Marshall Electronics**





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In Closing.....

- Used in the intended application, many electronics will last 25+ years, consumer or professional
- Desired outcome must be identified before design
 - Marketing must be consulted during design phase
- Desired outcome must be identified before purchase, especially in commercial/industrial environments



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Questions....





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Contact me;

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