

# Engineering Update

**Nautel Users Group**  
**April 23, 2017**

Scott Marchand

# Presentation Agenda

- Introduction
- New Products for NAB2017
- Product Software Update
- Continuous Improvements
- Did You Know?

# Introduction

- Scott Marchand, Nautel FM Project Leader
- 20 years experience in Product Development
- Lead Designer for award winning...



"The most intelligent transmitters ever designed"

# New Products for NAB2017

- NVLT HD Radio Upgrade
  - Features:
    - GV power specifications and functions
    - Considerations for Exciter configurations
  - Requirements:
    - Software upgrade
    - New exciter hardware or upgrade existing
  - Available Q3 2017
  - See Sales for pricing



# New Products for NAB2017

- VSHD with HD PowerBoost standard
  - Features:
    - Up to 25% more FM+HD power
    - Up to 5% higher ac-RF efficiency
  - Requirements:
    - Install base contact CS for activation code
    - Factory shipments pre-activated
  - Available now at no cost!



**HD** PowerBoost™ GEN<sup>4</sup>

# New Products for NAB2017

- HD Multicast – Importer/Exporter Combo



- New Importer



**More from  
Philipp Schmid  
Later Session**

# Product Software Update

- VS SW 4.4
  - Status: Final verification testing
  - Available post successful limited release trial (June 2017)
- Significant Fixes:
  - LAN connectivity robustness
  - Reliable streaming services
  - Better log file management (e.g. SNMP)
  - RDS improvements





# Product Software Update

VS SW 4.4 cont'd

- Features:

- HD PowerBoost standard

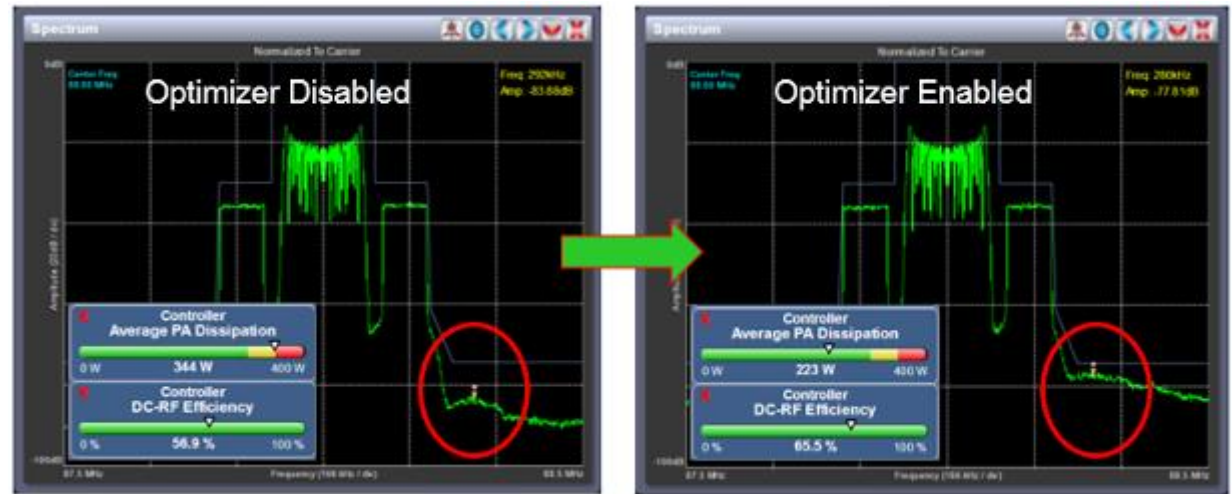
**NEW**

- RDS Decoder via UI only (Internal data)

**NEW**

- GV Features

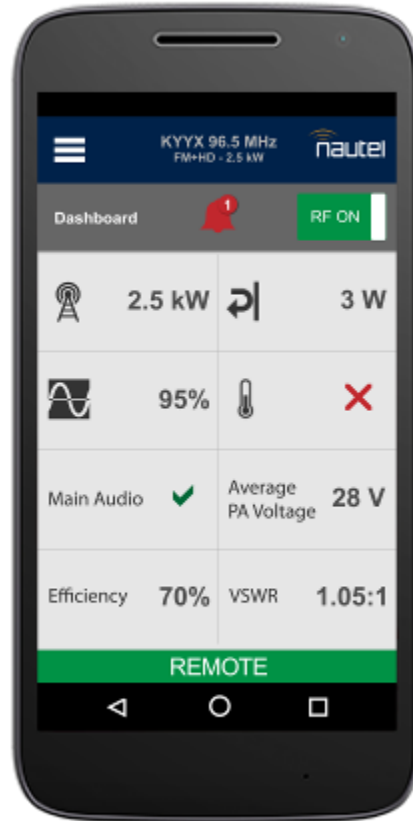
- Spectrum/Efficiency Optimizer
- Audio Backup/Recovery
- PS Scrolling
- Site Control and more...





# Product Software Update

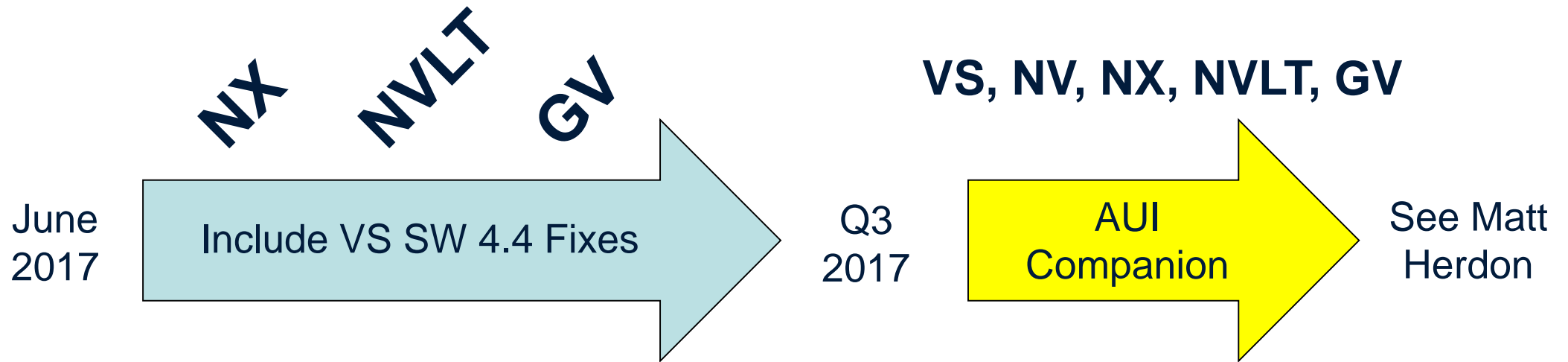
- AUI Companion



**More news from  
Matt Herdon  
AUI Session  
1:15pm**

# Product Software Update

- Software Roadmap:



# Continuous Improvements

- Excellent GV and NVLT field performance
  - MTBF in the millions of hours



Conformal  
coated SMPS



Ruggedized  
power amplifier  
FETs

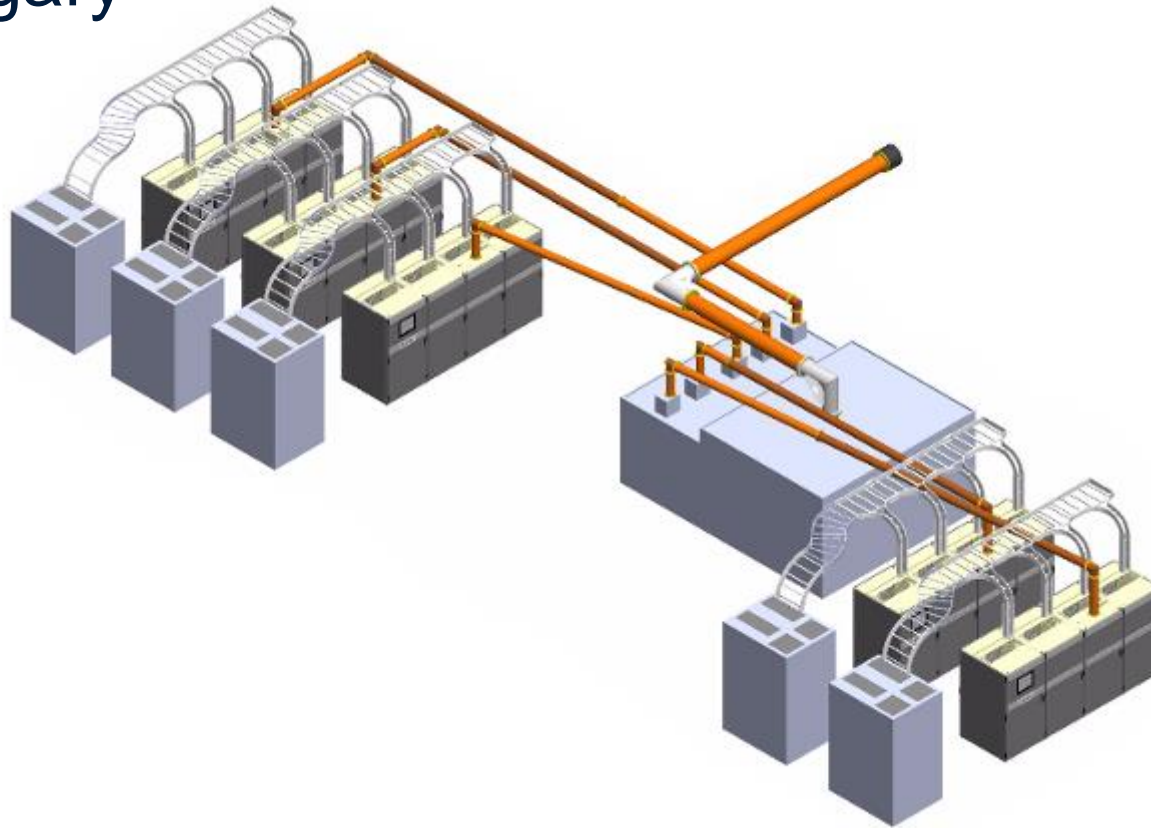
# Continuous Improvements

- Automated Test for VS, NVLT, and now GV
  - Process Control
  - Product Consistency
  - Predictability
  - Faster Feedback
  - High Quality Assurance



# Did You Know?

- Nautel to deliver World's highest power 2MW AM transmitter to Hungary



**More from  
Chuck Kelly  
Later Session**

# Did You Know?

- Nautel continues to develop various custom systems
  - FM and AMe.g. Main/Alternate, N+1



GV40 M/A



NV20LT 5+1



# Did You Know?

- Shipping Restrictions of Dangerous Goods
  - Lithium cells shipped pre-installed
  - No spares provided



***Nautel is avoiding use where possible***

# Did You Know?



MONDAY

# NEWS

№ 34747/53

Only fresh news

## Nautel Invests in Radio Broadcasting Future

*Significant additions to engineering team, aggressive R&D plans set the pace for 2017 and beyond.*

Hackett's Cove, Nova Scotia – Nautel has announced plans to again greatly increase the size of the company's design team coupled with a 40% increase in its research and development budget in 2017.

Nautel has experienced considerable success over the past year with several significant orders from Radio customers around the world. "Contracts such as a 2 MW system for Hungary, the world's biggest transmitter, large N+1 systems for Middle East customers, and an order for 6 follow-on high power systems for India underscore our ability to handle some of the largest and most challenging projects in the broadcast industry," said Kevin Rodgers, Nautel President and CEO. "We appreciate the confidence customers are placing in Nautel's innovative products and we're investing to ensure continued radio broadcast leadership for decades to come."

# Thank You

