

What I'm Watching for at NAB

Paul McLane

Editor in Chief



RADIOWORLD

Audi's e-tron

- “Fully electric, fully connected SUV”
- FM/HD, SiriusXM
- Amazon Alexa, online music streaming, online radio and podcast integration
- Apple CarPlay and Android Auto integration
- The myAudi App



The “In-Vehicle Experience”



- Xperi / HD Radio /DTS
- Radioplayer
- Gaian Solutions
- Drive Time Metrics
- ACCESS Europe



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MARCH 1, 2019 | The News Source for Radio Managers and Engineers | \$5.00 | RADIOWORLD.COM



SPECIAL REPORT

Radio Seeks Its Future in the Vehicle

What happens when the car becomes a browser and the driver becomes just another passenger?

BY RANDY J. STINE

Leading U.S. radio organizations continue to work, publicly and behind

the scenes, to secure a place of prominence for their offerings in future center-stack consoles of connected cars. Broadcast stations and their online

signals already must share space in a content ecosystem that includes smart audio options accessorized with information management systems like Apple Carplay and Google Android Auto that form a bridge between smartphones and the car.

Amazon, too, is aiming to get its Alexa personal assistant into the car. Amazon Auto is expected to be available later this year as an after-market accessory. The company's Alexa Auto division hasn't announced any content delivery plans, but: "You can bet they are looking at it," one industry observer told Radio World.

Amazon, like Google and Apple, eventually wants to embed its systems into the dash entertainment box, ana-

(continued on page 2)

Veteran GMs: Now Is the Time to Buy Stations

Tom Langmyer and John Beck believe being local is the key to growth

BY DAVE BEASING

This is the story of a very long journey. It began years ago, when eight-year-old Tom Langmyer toured the studios of WBEN(AM/FM/TV) in his hometown of Buffalo, N.Y., and decided that broadcasting would be his life's work. He's made many stops along the way and played many roles, eventually becoming the general manager at legendary radio stations like KMOX in St. Louis, WGN in Chicago and WTMJ in Milwaukee.

As you read this, chances are good that Langmyer is out on the open road, pulling his "teardrop" camper, looking for a place to stop and stay a while.

But as he'll tell radio station owners and brokers, not just anywhere will do. As CEO and founder of Great Lakes Media Corp., he's looking for what he calls "news deserts in decent-sized places with real upside, out of the shadow of major cities, which may be underserved

(continued on page 22)

- “What happens when the car becomes a browser...”
- “...and the driver becomes just another passenger?”

The “In-Vehicle Experience”: Hybrid Radio



Courtesy PILOT

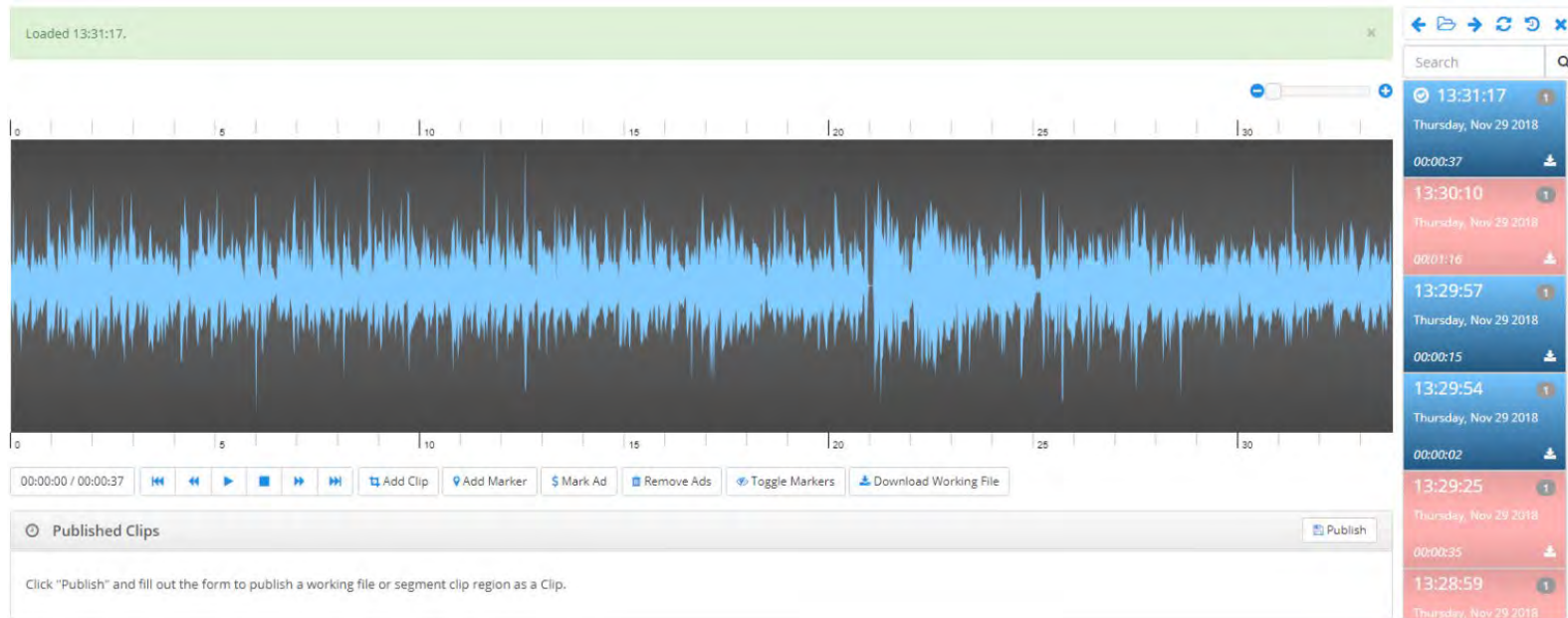
- Growing emphasis on “hybrid” (OTA plus internet) platforms
- NABA calls on radio to support internet-based content for use by hybrid receivers
- DTS Connected Radio
- RadioDNS
- NAB’s PILOT and BBC both experimenting with hybrid platforms

The “In-Vehicle Experience”: Audi Hybrid Radio

- Fusion of broadcast radio and IP radio
- Automatically and seamlessly switches between broadcast and streaming depending on situation
- “Listen to your favorite station wherever you go and don’t care about the rest”

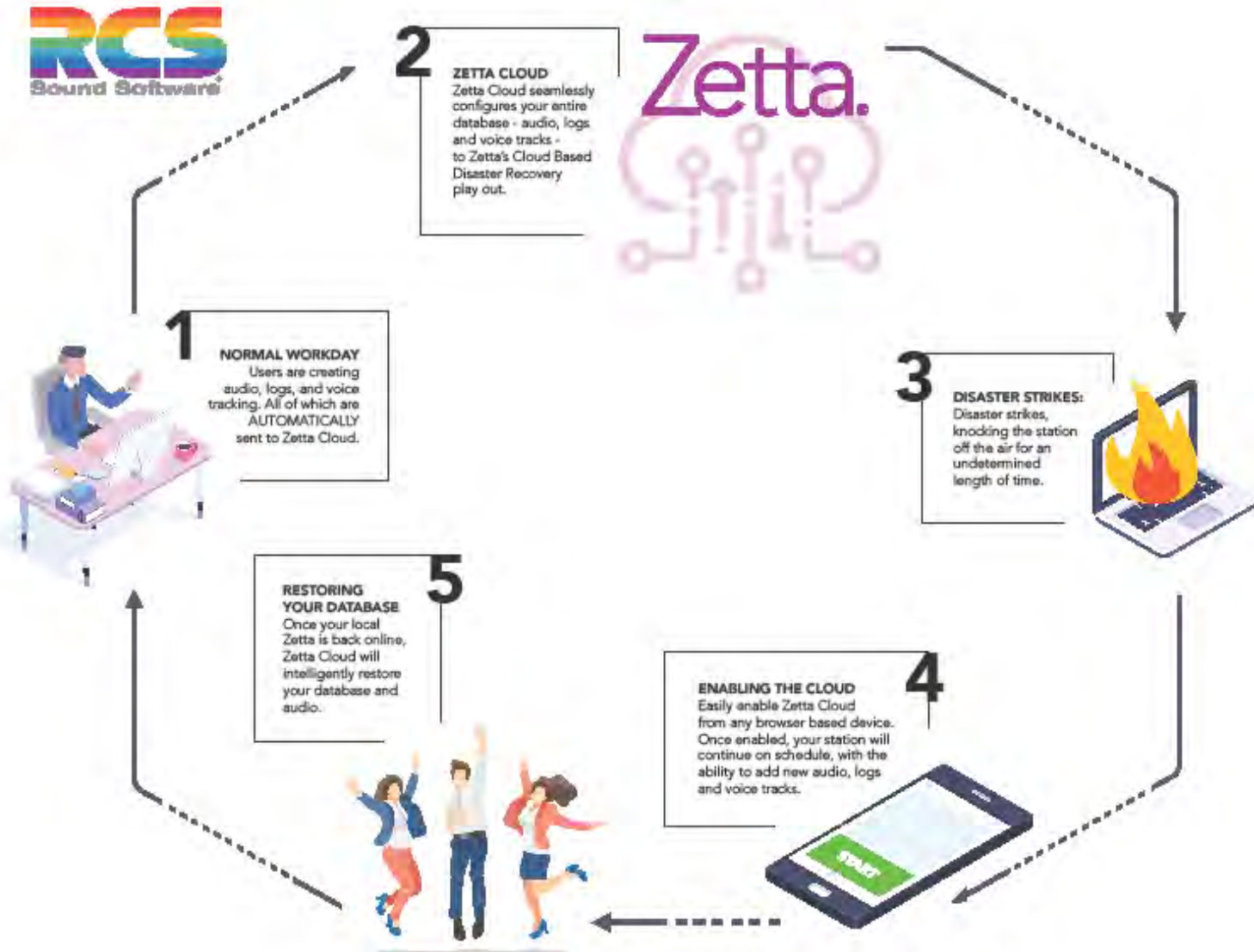


The Cloud's Moving In: StreamGuys SGrecast



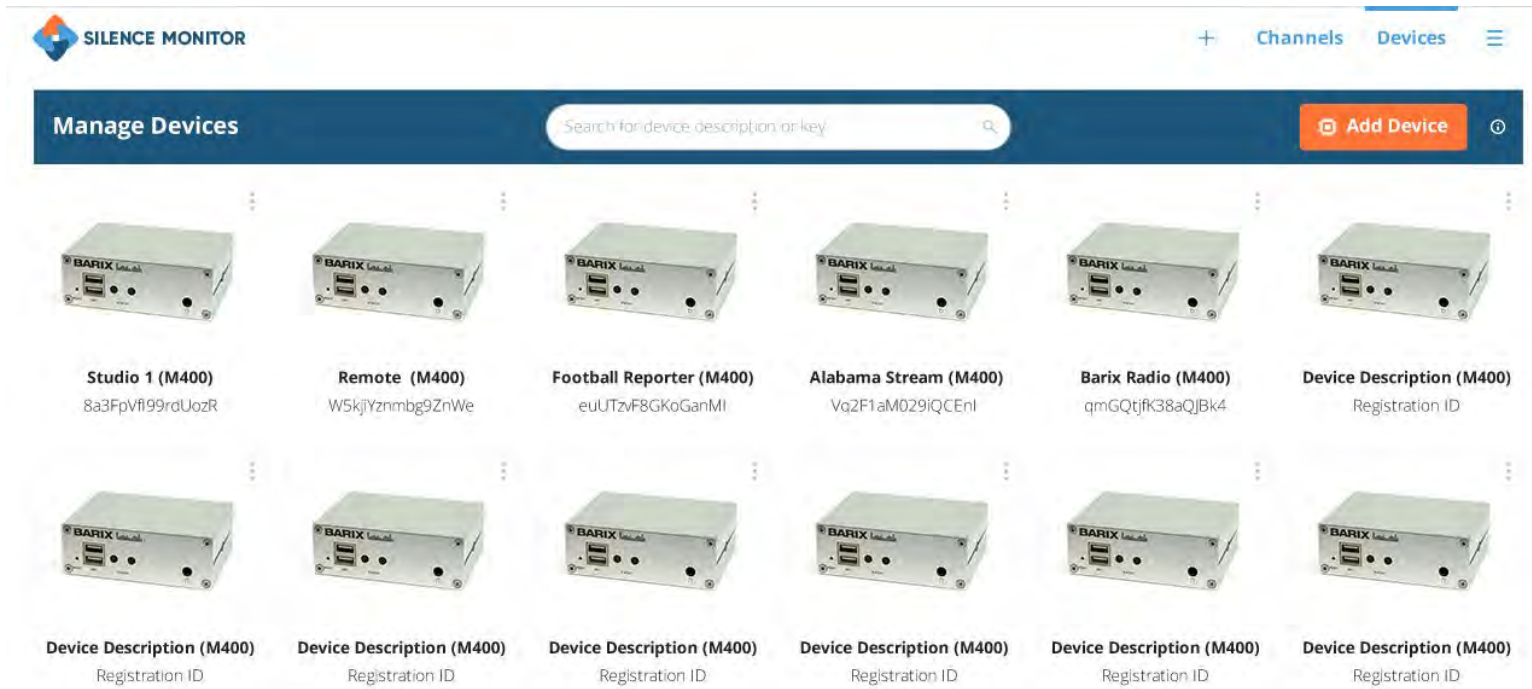
- Cloud-Based 24/7 Recording
- Choose your retention policy – from one minute to forever
- Find and clip previously aired content
- Share that clip's URL with sponsors or staff
- Publish clips to podcasts or website using included podcast CMS

The Cloud's Moving In: RCS Zetta Cloud



- “First cloud-based disaster recovery system for the radio industry”
- Disaster Recovery tools back up audio, schedules and metadata
- Precursor to full cloud-based management?

The Cloud's Moving In: Barix Silence Monitor



- Silence Monitor with Cloud Service for broadcast audio quality assurance
- Monitor status of network and transmission via portal
- Listen live to audio at each monitoring site through the interface

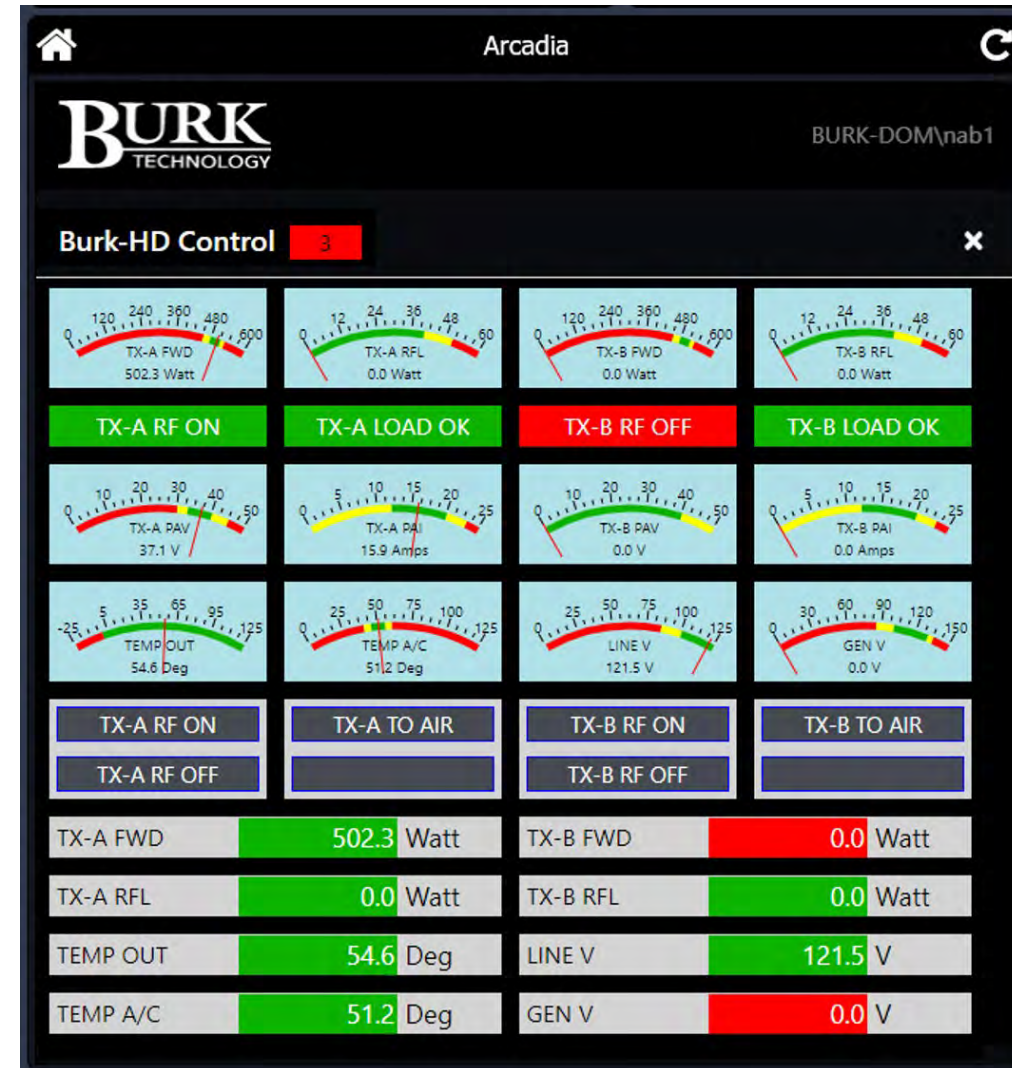
The Cloud's Moving In: ENCO Studio in a Cloud



- Second-generation WebDAD platform
- Take control of studio ops from any location over web
- HTML5-enabled user interface
- Virtualized platform to remotely access and control studio-based automation

The Cloud's Moving In: Burk Arcadia

- Secure web-based access to remote site info
- Summary screens for each site generated automatically providing an instant
- Designed for viewing on smartphones, tablets or PCs
- Users authenticated by Microsoft Active Directory
- Scales up or down



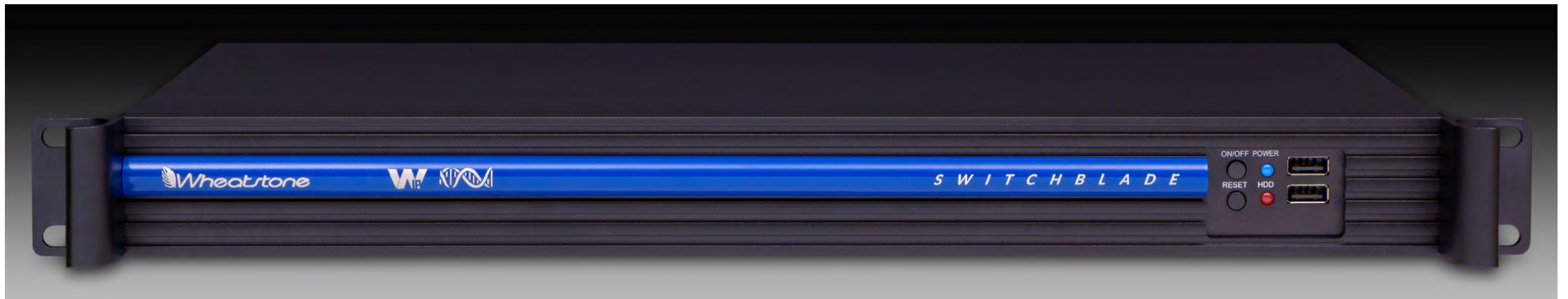
A Few More New Products: Moseley Maverix DT

- Licensed Microwave 5.5 Gigabit Radio
- Dual-transceiver, all outdoor, IP radio
- Operating from 6 GHz to 42 GHz
- Can operate in licensed Part 74 and Part 101 channels simultaneously
- Audio, data and voice for radio and TV clusters



A Few More New Products: Wheatstone SwitchBlade

- AoIP appliance combines logic control with SIP connectivity and codec bandwidth optimization
- Transport both audio programming and control logic
- Diverse applications
- Major codecs including Opus and G.711



A Few More New Products: Inovonics SOFIA SiteStreamer Plus

- First model FM/HD Radio
- Displays Artist Experience AE logos and pictures via web interface
- Other models planned: FM/RDS, DAB+ and AM



What else?

- Lab tests of HD Radio MP11
- All-digital on the horizon for U.S. AM band?
- What comes after NextRadio?
- The long-term impact of 5G
- Voice control
- FCC deregulation of ownership rules
- Kudos for Russ Mundschenk
- Kudos for Gary Cavell and Cindy Hutter Cavell

Audio Is Hot

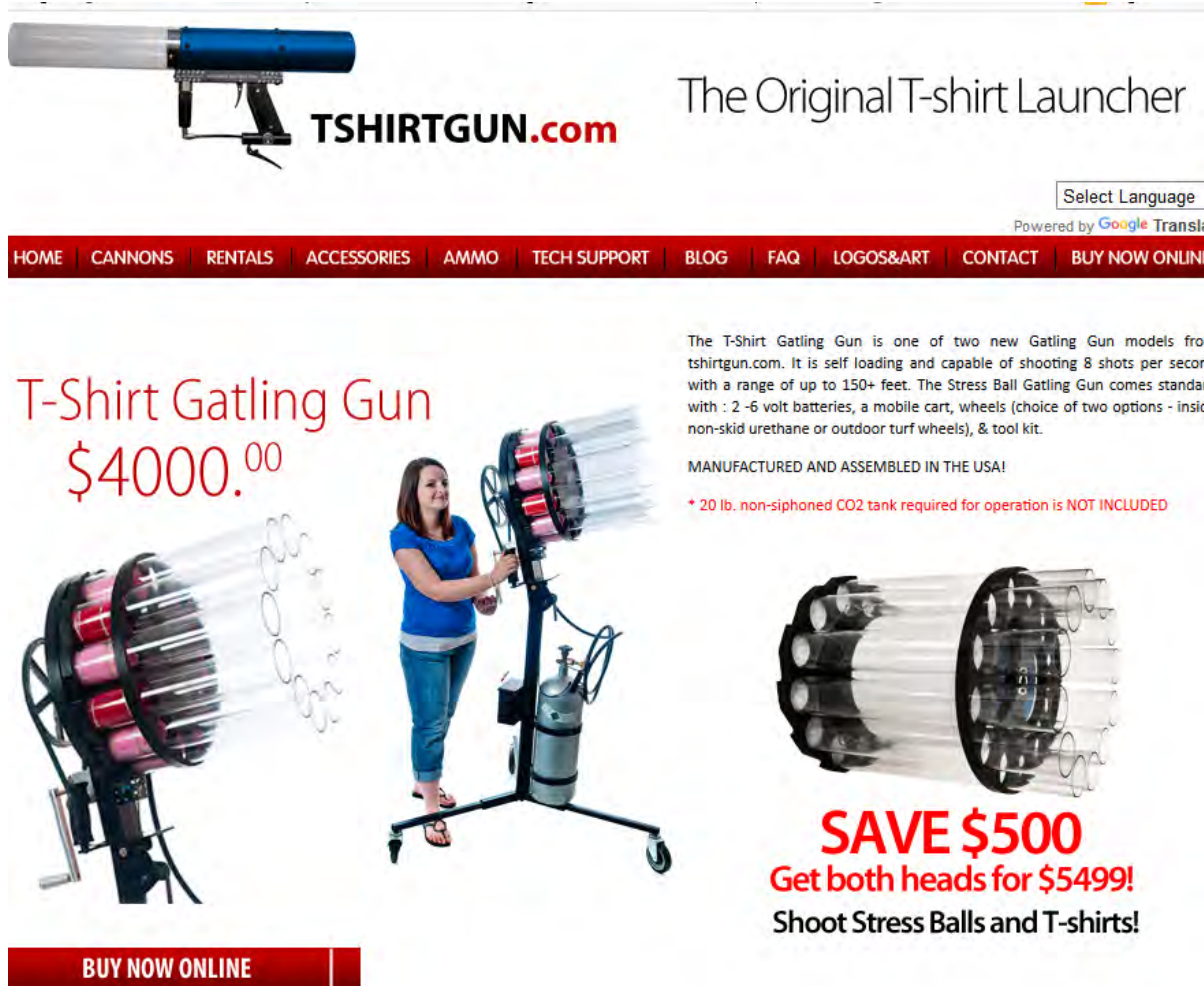




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in the Bins



Paul's Virtual T-Shirt Cannon V2.0



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* 20 lb. non-siphoned CO2 tank required for operation is NOT INCLUDED

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Thank You



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