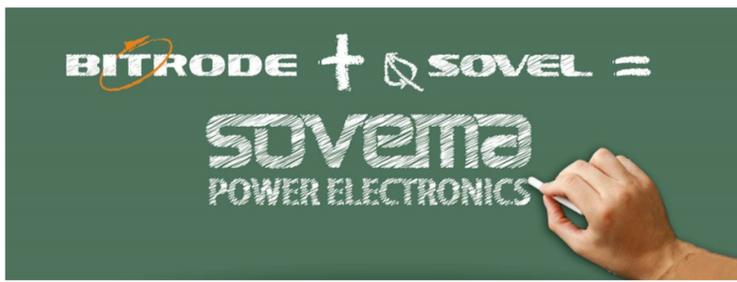


The weather has warmed, and spring is in bloom in St. Louis! Along with it comes some "budding new developments"! Keep reading to find out more!

Partners for a Total Solution



Have you seen our new logo? Wondering what all the buzz is about?! Well here's the inside scoop:

[Bitrode](#) and [Sovel](#), business units within [Sovema Spa's](#) group of subsidiaries, have integrated our R&D, engineering and sales teams to form Sovema Power Electronics. Capitalizing on the core strength of our global teams in battery formation and lab product technologies has already led to an accelerated introduction of new products as seen this past year. Combined with yet another sister subsidiary, [Solith](#), Sovema Power Electronics has established a strong position as a leading provider of turnkey solutions for the global battery industry in not only lead acid, but lithium and all other advanced chemistry formation and testing applications.

As most know, Bitrode has been a member of the Sovema Group since 2008, but has been a leading manufacturer of extensive lines of laboratory test equipment, formation chargers and user-friendly software platforms for all battery applications and chemistries for over 50 years! Sovel, a Sovema business unit since 2004, has combined Sovema's vast experience and core knowledge of the lead acid battery industry with the recent advancements in power electronics to design and manufacture extremely energy-efficient formation chargers using a variety of new technologies.

Sovema Power Electronics has been formed to capitalize and leverage the strengths of these sister subsidiaries' similar product development structures and engineering expertise to provide a clear customer and competitive focus. The new division's laboratory testing equipment for both lead acid and advanced chemistry markets will be branded as Bitrode. Similarly, Sovema Power Electronics will market their new high density and high efficiency formation chargers outside the United States under the Sovel name.

Take Control of Your Laboratory Testing

[VisualCN Lab Client software](#), together with Bitrode's outstanding laboratory test instruments, provide superior control of your laboratory workflow. You'll be impressed with how smoothly a new laboratory network can be built and how well the VisualCN system will integrate with your existing network. Highlights include:



- With minimal training, users can create complex, multi-step programs incorporating sub-routines, loops, cycles and user-defined variables
- Drag-and-drop interface for ease of use
- User-configurable circuit organization to manage your workflow
- Multiple circuit control with one PC
- Unlimited program steps per drive cycle
- Built-in program syntax and variable value checking
- Data analysis using built-in graphing utility, Excel spreadsheet or Access database
- Remote web-based monitoring
- Real-time email or text message updates for custom defined events

Want to learn more? Check out our short [video](#) or [contact your Bitrode representative](#) today!

Product Improvements

In response to evolving needs in the electric vehicle and energy storage industries, we recently announced a significant improvement in the rise time of our [FTF line of pack testing equipment](#).



The transition time for the current to ramp from 10% to 90% of full scale in a Bitrode FTF has been decreased dramatically from approximately 15 milliseconds (ms) to less than 4ms! Similarly, the **0%-100% transition time is also reduced from approximately 15ms to less than 8ms with no over-shoot!** Just as noteworthy, when operating in battery simulator mode and regulating output voltage, Bitrode's FTF products accommodate fast load current transitions from 0%-100% in less than 3ms! The result is the ability to test sudden and demanding load changes from motor drives or similar as part of drive cycle stress testing of batteries and EV packs, as well as charging/discharging banks of ultra-capacitors.

This 300% improvement in rise time performance enhances the ability of our entire FTF product line to more accurately model real-life demands upon customer products under test. Effective immediately, all new orders received for Bitrode's FTF products will have this performance enhancement incorporated as a standard feature. For customers with existing FTF units who are interested in acquiring this upgrade, please email Bitrode Technical Service and Support at service1@bitrode.com.

See and be Seen



In March, Bitrode and our sister company [Solith](#) sponsored booths at the [International Battery Seminar & Exhibit](#) in Fort Lauderdale, Florida. This conference focused on state-of-the-art worldwide energy storage technology developments for portable, automotive and stationary power applications. Our delegates were able to connect

with a large majority of the attendees and learn about what's new in the industry.

Thank you to everyone who visited our booth! We look forward to seeing you at next year's show--March 21-24, 2016.

Feel free to share our newsletter with your friends, industry associates and social network. We welcome your thoughts and suggestions!

Sincerely,

Bitrode Sales & Marketing Team

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Meet Mike Kuznetsov



Starting at Bitrode as a Software Development Engineer more than 19 years ago, Mike was project lead and architect in creating Bitrode's proprietary VisualCN Lab and Formation Software suites. Today, Mike is the Director of Engineering and is responsible for building and leading a champion team of top engineers to provide the best energy storage solutions available in the battery industry. With a Master's Degree in Computer Engineering from the Polytechnical University in St. Petersburg, Russia and an MBA from Washington University in St. Louis, Mike is well-suited for his role at Bitrode.

In his free time, Mike loves listening to music. From blues in St. Louis pubs to Vienna Opera, he believes that good music at the right time can be a reliable source of inspiration and creativity. He also likes traveling and experiencing different cultures. "The more parts of our world one sees, the more one learns to enjoy and appreciate the fragile harmony it can offer."

Mike enjoys his position at Bitrode because each day is different. "Bitrode is a high-tech company challenged by our market and customers every day. The synergy between departments allows us to develop and execute cutting-edge solutions and promotes the recognition of each employee's unique contributions."

Fun Facts

Bitrode's average employee tenure is 8.5 years, and our most senior employee has been with us for over 37 years!

Career Corner

Join a world leader in battery charging and testing technology. We are hiring for the following positions:

- [Electrical Engineer](#)
- [Outside Sales Engineer](#)
- [Senior Electrical Engineer](#)
- [Software/Firmware Engineer](#)

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Hydrogen + Fuel Cells + Batteries

April 13 - 17, 2015
Hannover, Germany

Battery Council International (Booth 100)

May 2 - 6, 2015
Savannah, GA - USA

Battcon

May 12-14, 2015
Orlando, FL - USA

10th International Lead Battery Fair (Booth 106)

May 20 - 22, 2015
Beijing, China

5th Israeli Powersources

May 21 - 22, 2015
Herzlia, Israel

Australian Energy Storage Conference

Jun 03 - 04, 2015
Sydney, Australia

EES 2015

Jun 10 - 11, 2015
Munich, Germany

AABC North America

Jun 15-19, 2015
Detroit, MI - USA

Automotive Testing Expo Europe

Jun 16-18, 2015
Stuttgart, Germany

Electric & Hybrid Marine Expo

Jun 23-25, 2015
Amsterdam, Netherlands

Bitrode's Corporate Headquarters will be closed on Friday, April 3rd to observe the Easter holiday. Regular business hours will resume on Monday, April 6th.

Connect with us!



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