

NEWSLETTER | Q1 2023

MANAGEMENT UPDATE

Conor McCarthy
Managing Director



ipTEST



It's been a busy three months here at ipTEST since our last update in October 2022! As we all start another exciting year it is good to look back and take stock of the last 12 months. The ipTEST team had several major successes during the year. Not only did we increase the output in the factory by 101%, we also shipped record volumes on all major product groups. The ipTEST family grew by 53% in 2022, with new starters joining across the company. Our local supply chain was strengthened with the successful addition of two new subcontractors, both delivering sub-assemblies to us in high volumes throughout the year.

Looking forward to this year we are continuing to extend the performance of our M2 testers in wafer and module test applications. Our goal is to target the growing wide-band gap space as the higher material and device complexity requires new and unique ways of testing.

We have added new capabilities to our wafer testing product offering, allowing more tests to be performed during a single probe touchdown, and adding RFID based asset tracking for faster, very robust test setup.

Quality is key at ipTEST, and is something we take particular pride in so we are very proud to renew our ISO 9001 certification. We have also added an exciting new accreditation which reflects our commitment to corporate responsibility (more on this on page 5).

Back in July 2021, when we settled into our current facility, we thought we had all the space we would ever need. That feels like a long time ago, and we have grown so fast that we are now busy making plans for further expansion...



As always, I will finish by thanking all the staff at ipTEST for their huge commitment and dedication, some of which you can read about on page 4. Looking forward to another great year working together.

EXPANDING WAFER TEST CAPABILITY



We have expanded our wafer test capability with the addition of two new projects.

RFID ASSET TRACKING FOR MOSTRAK SYSTEMS

This new feature allows ipTEST system software to interface to a third party RFID reader and detect which probe card has been used with the test program.

This significantly increases lot changeover time since no manual entry by the operator is required. It also minimizes the chance of entry error.

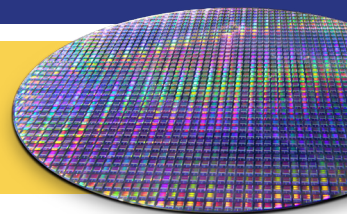
The probe card ID is logged within the STDF results file for complete traceability. The system is expandable to allow other assets

such as wafer cassettes and wafile packs to be traced and logged without any operator intervention.



Demos Malas
Technical Director

“WAFER IS AN IMPORTANT RESEARCH AREA FOR US AS WE LOOK TO TARGET SiC INDUSTRY”



INTEGRATED GATE RESISTANCE AND CAPACITANCE TESTING

ipTEST have taken another step toward full wafer test coverage by integrating the gate resistance/capacitance test module into our 10kV generator. This allows full static and gate oxide measurements to be made on wafer.

The 10kV generator relay box redirects the DUT measurement path to the Rg module, the HVLV test station or the 10kV extension generator.

Contact sales@iptest.com for more information.

MEET THE TEAM



**RICHARD
APTHORP**



**SOFTWARE
MANAGER**



What is your role at ipTEST?

I'm responsible for the core system software which drives all our testers. I head up a great team of software developers in the R&D department. Together, we design and implement the software for all new products as well as developing new features and maintaining the current software.

What were you doing before joining ipTEST?

I was previously a software engineer at Marconi Space & Defence systems where I worked on software for defence platforms. I joined ipTEST after the project completed.

What do you like about ipTEST?

I really like the freedom to develop software that meets our customers' needs, and see it all the way through from initial design to final implementation at the customer site.

How do you see the future of ipTEST?

I am very excited about the future of the company. We pride ourselves on staying agile and delivering solutions which help our customers, without becoming slow moving and without compromising on quality.

What do you like doing outside of work?

When I'm away from work I enjoy skiing and tennis.

Any random facts about ipTEST you can share with us?

I have been at ipTEST for 35 years, and this year is also my 35th Wedding anniversary. I guess you could say I have two happy marriages!

What is your role at ipTEST?

As a production engineer, I work closely with our manufacturing, development, quality and customer support teams to release new products into production, and to ensure we manufacture to the highest quality.

What were you doing before joining ipTEST?

I have various technical and management experience in the past. What brought me to the company was the potential and the bright future that ipTEST has.

What do you like about ipTEST?

ipTEST is a very dynamic and interesting company to work for. The team is great, everybody is eager to put in the extra effort so that we all achieve our goals together. I felt part of the team from day one.

How do you see the future of ipTEST?

It is an exciting time of growth. We are taking on additional manufacturing space over the next few months, and planning this expansion is keeping me very busy.

What do you like doing outside of work?

I like spending my time with family and friends and as well as travelling.

Any random facts about ipTEST you can share with us?

At ipTEST we have a tradition of ordering in pizza for everyone for any kind of celebration, big or small.



**LILIYA
PETROVA**



**PRODUCTION
ENGINEER**



COMMITTED TO QUALITY

ISO 9001 outlines the criteria for a strong quality management system. This standard is based on several quality management principles including a strong customer focus, involvement and inclusion in the organization's activities, the process approach, and continual performance improvement.

ipTEST is honoured to declare that we renewed our ISO 9001 certification in October 2022 with zero non-conformances. Our goal is to ensure our customers that we consistently fulfil regulatory requirements coupled with serving them high-quality products.



Responsible Business Alliance

Formerly the Electronic Industry Citizenship Coalition

Advancing Sustainability Globally

The Responsible Business Alliance (RBA) code of conduct establishes standards to ensure safe working conditions, fair treatment of employees, and ethical business practises in the electronics industry and its supply chains. It helps some of the world's largest manufacturers to demonstrate their commitment to corporate social responsibility.

We are thrilled to have passed our first RBA assessment as the standards of the certification strongly align with our culture, values and our ethical and moral commitments.



Labour



Health and Safety



Environmental



Ethics



Management

ipTEST OUT & ABOUT



NOTTINGHAM UNIVERSITY

In November, ipTEST exhibited at the IMAPS IPower4 conference hosted by Nottingham University in the UK. The conference theme of 'Powering the Future' matched perfectly with ipTEST's focus on developing tests for wide band gap SiC devices to meet the requirements of higher currents and voltages, higher frequency switching and increased temperatures required by the automotive and industrial applications of tomorrow.

Sales Manager Nick Excell and Business Development Manager Azmi Mohd Isa were present to showcase ipTEST's DS5 1000A test station. The low parasitic inductance of the DS5 makes it ideal for measuring switching characteristics on wide bandgap devices.

Nick and Azmi registered lots of interest from industry leaders and we look forward to strengthening these collaborations and visiting again later this year!



UPCOMING EVENTS



We're delighted to announce that we will be attending the Applied Power Electronics Conference March 19-23, in Orlando, Florida, in partnership with our US representative CWI.

We'll be available to discuss the ipTEST product range and show off some key test adaptors. Visit us on stand #716 for the chance to win in our prize draw!



ipTEST will be exhibiting at our flagship European event PCIM at the Nuremburg Messe in Germany from 9-11 May 2023 in hall 7, stand #475.

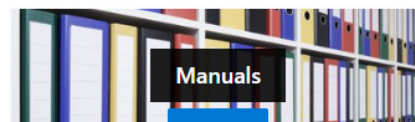
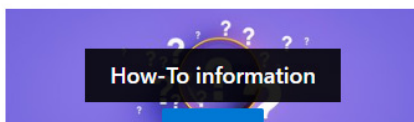
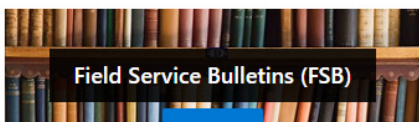
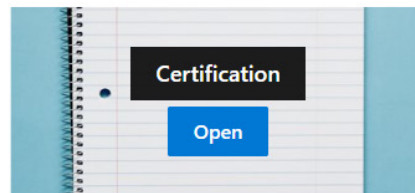
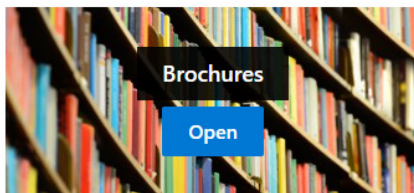
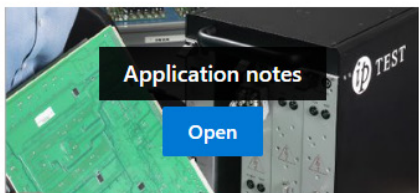
We'll be showcasing our new products and running live demonstrations. More details to come in our next Newsletter, but for now, save the date and we look forward to meeting you in May!

SUPPORTING OUR CUSTOMERS



ipTEST Customer information portal

Home Application notes Brochures FSB How To information Manuals Newsletters ...



CUSTOMER INFORMATION PORTAL

During the second half of last year, ipTEST launched its [Customer Information Portal](#).

The concept of the portal is to have a space that gives our customers instant access to sales, technical and support information. Details of system licences and configurations are available for download, along with a comprehensive library of video and written training material.



ipTEST PRODUCT OBSOLESCENCE ANNOUNCEMENT

ipTEST plan to obsolete the products below according to the following schedule:

Design freeze	1 November 2022
Last orders	31 October 2023
Last fulfilment date for existing orders	31 October 2024
Last spares availability and support	31 October 2029

Please note this list includes any sub-assemblies, test fixtures, adaptors and spares used in both higher and lower level assemblies listed here. The suggested replacements will have equivalent or better functionality, but they may not be fit, form and function compatible with the obsolete product they are intended to replace.

Please contact sales@iptest.com if you would like more information.

MOSTRAK M1 HV, LV, DS4 TEST GENERATORS	REPLACEMENT
770-633-XX HV Generator 2kV / 250mA	770-782-00
770-643-02 HV Generator 1.5kV 250mA	770-785-00
770-674-00 HV Generator 1.5kV 20mA (SOT)	
770-699-00 HV Generator 250mA (RVx)	
770-756-XX HV Generator 2.2kV 100mA	
770-765-00 HV Generator 2.5kV 10mA	
770-559-01 LV 100A expandable to 1000A	770-784-00
770-560-01 LV 100A expansion 3kA	770-785-00
770-561-01 LV 100A expandable to 500A (full chassis)	770-790-00
770-664-00 LV Generator 200A	770-995-00
770-701-00 LV Generator 100A expandable to 200A	
770-702-00 LV 100A expansion (400A)	
770-725-00 LV 100A expandable to 400A	
770-632 DS4 Dynamic switching	770-783-00
770-639 DS4 Apps adapter	
770-656-XX DS4 Apps adapter (customer special)	
775-331-01 DS4 TRR adaptor	770-791-00
770-711-00 DS4 Apps adapter FSS	
773-141-00 DS4 N-type resistive switching fixture	
773-174-00 DS4 P-type resistive switching fixture	
775-314-01 DS4 Hand Test Fixture	

REFRESHING OUR LINE-UP

In November ipTEST sent out a Product Notice obsoleting our (legacy) M1 HV, LV and DS4 test generators to make way for their higher performance M2 replacements.

The full announcement can be found on our [Customer Portal](#), or contact support@iptest.com.



GOODWOOD 10K RUN

While we may manufacture the fastest testers, we are certainly not the fastest runners! From left to right: ipTEST runners Demos, Conor and Marie after a recent 10k race around the Goodwood race circuit.

See you soon for our next update in Q2.



iptest.com



linkedin.com/company/iptest