

# NEWSLETTER

15 AUGUST 2025

Reflecting April - June 2025



*Inspired by people, driven by innovation...*

## Second Quarter Highlights: From Ideas to Milestones

Dear Valued Clients and Stakeholders,

The second quarter was a season of sparks, where ideas ignited, connections deepened, and milestones were set in motion. One such highlight was the Industry Indaba, co-hosted with our esteemed partners MECAD and DELL, which brought together students, academics, entrepreneurs, and industry professionals from the worlds of business, trade, and education. It was a space where ideas flowed, conversations turned into possibilities, and collaborations began to take shape. More than an event, it was a true reflection of PDTS's mission — turning ideas into market-ready products that create real impact.

On a personal note, I was honoured to be appointed by the Honourable Minister Dean Macpherson as a Council Member of the Engineering Council of South Africa (ECSA). This role is not only a personal milestone but also a strategic advantage for PDTS and our clients. It places us at the heart of contributing to shaping engineering practices nationally, strengthening our ability to ensure that the products and solutions we develop meet the highest professional and regulatory benchmarks.

We remain proud of our contribution to local economic development by empowering communities to become creators rather than consumers of technology. Our range of services, from product design and development to prototyping, manufacturing, and product localisation, allows innovators to bring their ideas to life with speed, precision, and market readiness. Our commitment to inclusive innovation ensures these opportunities extend to those traditionally excluded from the innovation ecosystem.

Through our training courses in SolidWorks and Introduction to Sketching and Drawing, we equip young people with practical, industry-relevant skills that open doors to new opportunities. For many, these courses are not just lessons in design, they are the first step towards careers in engineering, product development, and entrepreneurship, giving them the tools to turn ideas into tangible solutions.

None of this would be possible without your trust, collaboration, and the dedication of the PDTS team. Thank you for being part of this journey and for sharing in our mission to create meaningful change through innovation. We look forward to building on this momentum and delivering even greater solutions in the months ahead.

With gratitude and commitment,



*Shelly Mona*

Deputy-Director: PDTS

# PDTS Deputy Director Appointed to the Engineering Council of South Africa (ECSA)

We are proud to celebrate the appointment of Ms. Shelly Mona (Pr. Tech Eng), Deputy Director of the Product Development Technology Station (PDTS), as a Council Member of the Engineering Council of South Africa (ECSA).

This prestigious appointment was officially made by the Honourable Minister of Public Works and Infrastructure, Mr. Dean Macpherson, and will see Ms. Mona serve on the Council from 23 April 2025 to 22 April 2029. In this role, she will help shape the future of the engineering profession by overseeing professional standards, driving transformation, advancing engineering education, and guiding the registration of professionals.



Ms. Mona's selection is a recognition of her outstanding contribution to the engineering profession and her dedication to advancing the built environment. At PDTS, she leads diverse teams specialising in product development, prototyping, and manufacturing, and is known for her collaborative leadership style, strategic vision, and commitment to innovation.

Reflecting on her appointment, Ms. Mona shared:

*"I am truly honoured by this appointment. It's an opportunity for me to contribute meaningfully to the engineering profession on a national level while also growing personally and professionally. This role will strengthen my link to the profession's regulatory body and create a platform to share insights from a university of technology perspective — especially around applied research and innovation."*

Her new position at ECSA will not only expand her professional influence but also amplify the voice of universities of technology in national engineering discourse. By bringing her wealth of experience in applied research, industry collaboration, and innovation-led development, Ms. Mona is well-positioned to contribute to ECSA's mission of ensuring engineering excellence in South Africa.

From all of us at PDTS and CUT, congratulations to Ms. Mona on this well-deserved honour. We are confident that her passion, expertise, and vision will make a lasting impact on the profession and inspire the next generation of engineers.



# PDTS - A decade of Branding Excellence!

At PDTS we don't just create logos; we build brands that tell stories. For decades, we have shaped the identities of startups, research centres, university departments, and industry leaders, crafting visual identities that leave lasting impressions. From concept to execution, we transform ideas into powerful brand identities that reflect purpose, innovation, and professionalism. Our approach goes beyond design; we develop strategic brand identities, including logos, brand guides, and visual languages that communicate the essence of an organization.

#PDTS #BrandingExcellence #BrandDevelopment #DecadesOfImpact





PDTS is your partner in professional brand development. Let's build something iconic together.  
Get in touch with us today. **Email:** [pdts@cut.ac.za](mailto:pdts@cut.ac.za)



# SOLIDWORKS Industry Indaba!

PDTS, in collaboration with MECAD, Windows, and DELL, brought CUT community and industry partners an exclusive Industry Indaba. This event was designed for entrepreneurs and business owners looking to elevate their product development with SOLIDWORKS!

- Discovered the latest SOLIDWORKS features.
- Unlocked the full power of CAD for your business.
- Explored licensing options that suit your needs.
- Discover your perfect SOLIDWORKS partner for success.

Whether you're a startup, SME, or established business, this event was a gateway to next-level design and innovation!

**Date:** 14 April 2025

**Location:** Japie van Lill Auditorium, CUT Campus



This Industry Indaba focused on driving innovation through collaboration and united students, academics, entrepreneurs, and professional to explore the evolving world of SOLIDWORKS, CAD technologies, and business-focused design solutions.

Thank you to our event partners: MECAD, DELL and SIMPTECH. A special gratitude to our guest speakers for sharing their expertise.



# Advancing innovation through SLA 3D Printing

As part of the services of our Medical Device Product Development Unit, we offer SLA 3D printing to create:

- Surgical tools and guides
- Prototypes and mould inserts
- Automotive interior components

With precise detail and excellent surface finish, SLA is ideal for functional testing, product development, and medical applications.

Connect with PDTs today to explore how we can support your next project.



#3DPrinting #SLA #InnovationInHealth #ProductDevelopment #AdvancedManufacturing



# Learn How to Draw: 8-9 May 2025

PDTS is an ECSA Accredited Training Service provider, and you could earn 3 CPD Points by attending our Introduction to Sketching and Drawing Workshop; a hands-on experience where theory meets practical techniques.

We unlocked new ways of thinking and drawing as we guided participants through the theory, techniques, and practical magic that brought sketches to life. Whether you were a beginner or just wanted to sharpen your skills — this workshop was a great success.

**Date:** 8–9 May 2025 | **Venue:** CUT Hotel School | **Time:** 09:00 – 15:00



**CUT**  
CENTRAL UNIVERSITY OF TECHNOLOGY, FREE STATE  
www.cut.ac.za

PDTS is hosted by Central University of Technology, Free State  
Celebrating 20 Years as a University of Technology

## LEARN HOW TO DRAW

An Introduction to sketching and drawing  
**8-9 MAY 2025**

Using Lines and contours to communicate ideas and concepts

*Unlock realms of creativity.*

PDTS is a verified and recognised ECSA CPD service provider  
**CPD CREDITS: 3**  
SAIMechE-1727-12-27

This workshop is an exploration of techniques, theory, and practical application. Master the use of linework and shading, isometric drawing and perspective. Every stroke you make could become a new idea or concept.

Through the guidance of your instructors, you will explore techniques that breathe life into your drawings. With each lesson, you'll develop new skills, learning the art of project planning and effective communication of ideas and concepts.

(only 16 seats available)  
Bookings: [pdts@cut.ac.za](mailto:pdts@cut.ac.za)

**PDTS**  
Technology Innovation Agency  
Product Development Technology Station

By the end of the workshop, you'll have a portfolio of evidence showcasing your growth and confidence to take on concept-and-idea challenges that lies ahead.

**Date:** 8-9 May 2025  
**Time:** 09:00 - 15:00  
**Venue:** CUT Hotel School

Bring a pen, pencil, eraser, pencil sharpener. We will provide the exercise sheets.

Bookings: [pdts@cut.ac.za](mailto:pdts@cut.ac.za)  
[www.pdts.co.za](http://www.pdts.co.za)



# A Reflections of our Commitment to Quality

Did You Know?

PDTS holds ISO 9001:2015 certification reflecting our commitment to high-quality systems and continuous improvement in service delivery. We specialize in assisting SMMEs and individuals with innovative projects — from concept development to final prototyping. If you're looking to innovate, design, and develop your next big idea, we're here to help!

Connect with us to explore how we can support your innovation journey.

**#PDTS #ISO9001 #QualityManagement #SMMEInnovation #ProductDevelopment  
#EngineeringForImpact #CUT #InnovationSupport**



# Showcasing Innovation at Bloem Show 2025

From 25 April to 3 May 2025, PDTS proudly exhibited at the Bloem Show—one of the largest events celebrating community, innovation, agriculture, and more.

Our stand in the Protea Hall (Stand 41) drew visitors eager to learn how PDTS supports product development, prototyping, and technology-driven solutions that empower local innovators, entrepreneurs, and SMMEs. We showcased our latest innovations, engaged with inspiring individuals, and built meaningful connections with both established businesses and emerging start-ups. The Bloem Show was not only a platform to demonstrate our capabilities, but also a celebration of the creativity and passion that drive our region forward.

Together, we're shaping the future of technology—one idea at a time.



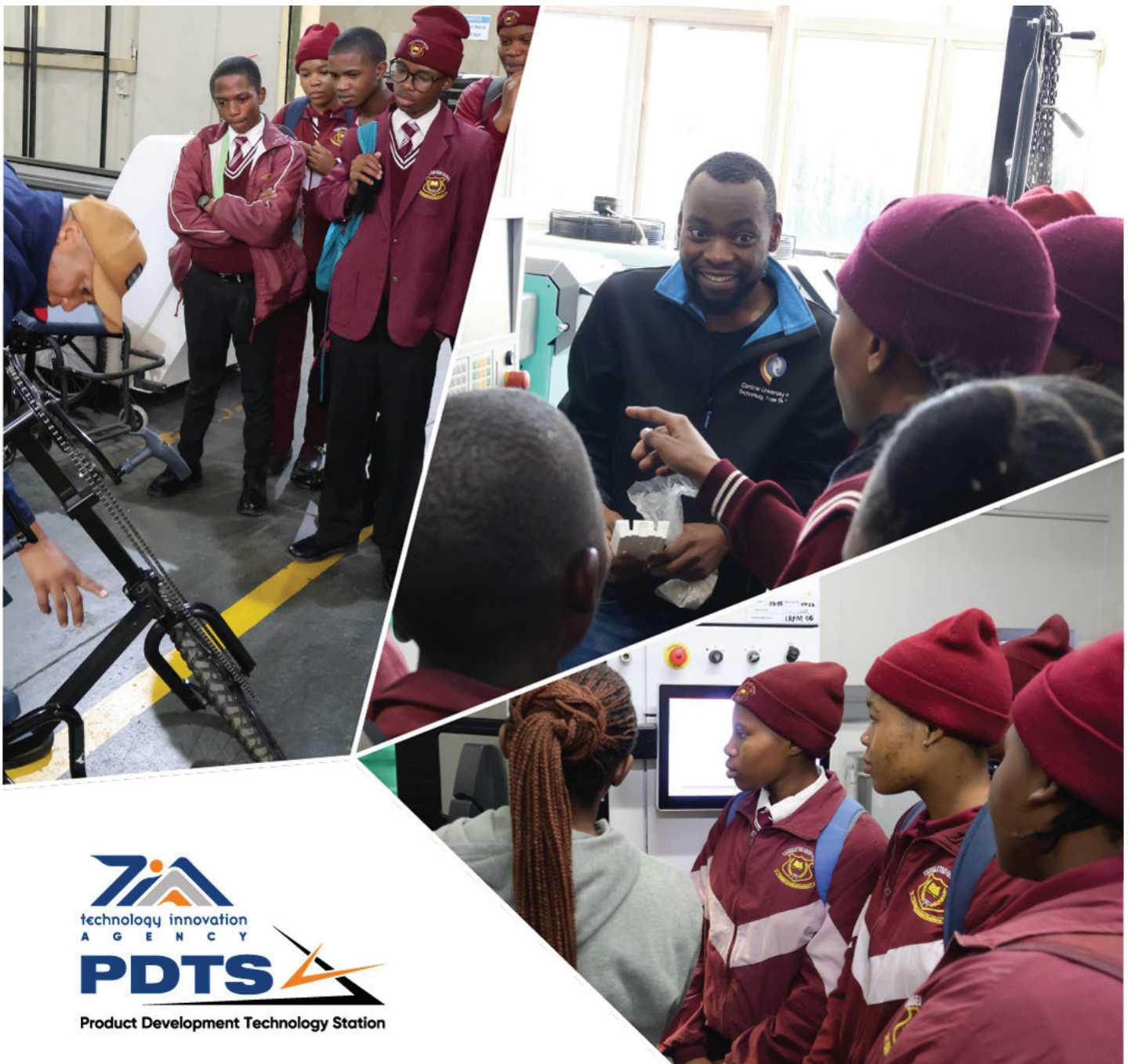


# STEM Engagement

At PDTS, we continuously strive to meet and exceed our ISO 9001:2015 quality management requirements, including setting and tracking operational targets that support our strategic goals. As part of this commitment, we recently welcomed 20 STEM learners for an educational facility tour, showcasing our processes, technologies, and innovative projects.

This initiative directly supports our ISO-aligned objective of community outreach and knowledge transfer, reinforcing our role in promoting science and technology awareness among future innovators. By investing in youth engagement, PDTS not only empowers the next generation but also fulfills its responsibility toward continual improvement and stakeholder satisfaction as outlined in our ISO framework.

**#ISO9001 #TechnologyStation #CUTCollaboration #InnovationInAction #EmergingTechnologies  
#STEMOutreach #CommunityEngagement #FutureInnovators**



# Meet the PDTS Medical Device Development Team

Are you passionate about creating solutions that improve lives? At PDTS, we specialize in the development of medical assistive devices and offer insights into PDTS— combining technology and compassion to support real-world needs.

Got an idea? Whether it's a concept, a sketch, or a full prototype, we're here to bring your vision to life in a secure and collaborative environment. Visit our workshop for a behind-the-scenes tour and chat with our friendly team. We'll guide you through our process and show you how we can support your innovation journey.

Your idea is safe with us — we value confidentiality and integrity in everything we do.



**Mzwake Moqhaisa**  
[mmoqhaisa@cut.ac.za](mailto:mmoqhaisa@cut.ac.za)



**Tebogo (Solly) Likhi**  
[tlikhi@cut.ac.za](mailto:tlikhi@cut.ac.za)



**Katlego Makgeledisa**  
[kmakgeledisa@cut.ac.za](mailto:kmakgeledisa@cut.ac.za)



**Thato Leseme**  
[tleseme@cut.ac.za](mailto:tleseme@cut.ac.za)



**Nyakallo Mokgeseng**  
[nmokgeseng@cut.ac.za](mailto:nmokgeseng@cut.ac.za)





# Sharpen Your 3D Design Skills with SolidWorks

From 30 June to 4 July 2025, PDTS hosted an intensive week-long SolidWorks Training aimed at equipping students, innovators, and professionals with essential 3D design skills. Held in Room 105 of the ETB Building at CUT, the daily sessions from 09:00 – 15:00 offered hands-on, practical learning in SolidWorks software — a vital tool in modern product design and engineering.

Participants gained valuable experience in 3D modelling, assembly, and design documentation, boosting their technical capabilities and enhancing their readiness for industry demands. By the end of the week, attendees walked away not only with new technical skills, but also the confidence to bring their design ideas to life.

PDTS remains committed to empowering local talent through practical training, innovation support, and technology-driven solutions.

For more information or to find out future training dates, send a request to [pdts@cut.ac.za](mailto:pdts@cut.ac.za)

**CUT**  
CENTRAL UNIVERSITY OF TECHNOLOGY, FREE STATE  
Thinking Beyond

PDTS is hosted by Central University of Technology, Free State

**SOLIDWORKS**  
ESSENTIALS TRAINING  
**30 JUNE - 04 JULY 2025**  
09:00 - 15:00 | Room 105, ETB Building,  
Central University of Technology, Free State, 20 President Brand Street, Bfn

**Free to first time applicants**  
**R 300 for repeating applicants**  
Payment instructions will be sent via email

**A Beginner's Guide to Parts, Assemblies & Drawings**

**ONLY 60 SEATS**

The main purpose of the SolidWorks Essential Course is about transferring design skills to individuals who are interested in the opportunity to master one of the industry's leading CAD software packages. The training runs over five days from **30 June - 04 July 2025** on campus of Central University of Technology, Free State.

Successful completion of the course is dependent on 100% attendance and completing an online exam on the final day of the course.

A certificate from the SolidWorks Company is released if the exam is passed. In the event that the exam is failed, PDTS will release a certificate of participation and an optional rewrite of the exam will be granted.

**Date:** 30 Jun - 04 Jul '25  
**Time:** 09:00 - 15:00  
**Venue:** ETB Building, CUT  
**20 Pres. Brand Street, Willows, Bfn, 9300**  
**Bookings:** [pdts@cut.ac.za](mailto:pdts@cut.ac.za)  
[www.pdts.co.za](http://www.pdts.co.za)

**Book your seat before 23 June 2025 by sending an email to [pdts@cut.ac.za](mailto:pdts@cut.ac.za)**

**PDTS**  
Product Development Technology Station

# PDTS, the official branding partner for CUT STEM

PDTS was honoured to serve as the official branding partner for this landmark event. Our team worked closely with event organisers to ensure that every visual element from signage to printed materials and digital assets reflected the energy and forward-thinking essence of the occasion. This collaboration reinforced our shared commitment to driving digital transformation and advancing educational excellence.

On 13 June 2025, the Central University of Technology, Free State (CUT) proudly unveiled its pioneering STEM Centre; a cutting-edge facility designed to advance Science, Technology, Engineering, and Mathematics education, research, and innovation. This milestone was officiated by Mr. Solly Malatsi (MP), Minister of Communications and Digital Technologies, whose presence underscored the centre's national significance and alignment with South Africa's vision for a technology-driven future.

The launch brought together leaders from academia, government, and industry, creating a powerful platform for collaboration and knowledge-sharing. Guests were given a first look at the centre's state-of-the-art facilities, which will serve as a hub for innovation, experimentation, and skills development.

The STEM Centre is set to play a transformative role in the region; a place where ideas are nurtured, research flourishes, and the next generation of innovators is empowered to solve real-world challenges. With its focus on bridging the gap between education and industry, it promises to be a catalyst for sustainable growth and technological advancement.

(Attendance was by invitation only at CUT's Bloemfontein Campus.)

**CUT**  
CENTRAL UNIVERSITY OF  
TECHNOLOGY, FREE STATE

**LAUNCH**  
of the  
**CUT STEM CENTRE**  
13 JUNE 2025  
Sanlam Auditorium, BHP Billiton Building,  
Central University of Technology, Free State

IN PARTNERSHIP WITH:  
NEMISA, STEM POWER, DHL, SMARTAID, RIPPLES CHANGE

mmbele@cut.ac.za

**14**  
DAYS  
TO GO

**CUT STEM CENTRE**  
13 JUNE 2025

**CUT**  
CENTRAL UNIVERSITY OF  
TECHNOLOGY, FREE STATE

Launch of the  
**CUT STEM CENTRE**  
13 JUNE 2025 | 10h00 - 12h00  
Sanlam Auditorium, BHP Billiton Building,  
Central University of Technology, Free State

We are proud to announce the official launch of the CUT STEM Centre – a dynamic new hub for education in Science, Technology, Engineering, and Mathematics.

We are honoured to welcome Mr. Solly Malatsi (MP), Minister of Communications & Digital Technologies, who will officially unveil the Centre at this prestigious event.

communications & digital technologies  
Department: Science and Innovation  
REPUBLIC OF SOUTH AFRICA

IN PARTNERSHIP WITH:  
NEMISA, STEM POWER, DHL, SMARTAID, RIPPLES CHANGE

Enquiries: mmbele@cut.ac.za

[in](#) [X](#) [f](#)  
www.cut.ac.za



# CESA Free State and YPF Leadership Seminar

PDTS participated in the Consulting Engineers South Africa (CESA) Free State Branch Function and the Young Professionals Forum (YPF) Leadership Seminar, hosted at the scenic Ilanga Estate in Bloemfontein. This prestigious gathering served as a platform for engineering leaders, innovators, and young professionals to exchange knowledge, foster collaboration, and discuss strategies for driving progress in the sector.

We were especially honoured to have our Deputy Director, Ms. Shelly Mona, as one of the keynote speakers during the YPF Leadership Seminar. In her address, Ms. Mona highlighted the critical role of innovation and leadership in shaping the future of consulting engineering. She emphasised how technology, when strategically applied, can transform the way engineers design, collaborate, and deliver solutions that meet the evolving needs of society.

PDTS's participation in events like these reflects our commitment to being an active contributor to the broader engineering community, championing innovation, supporting professional growth, and promoting technology-driven solutions that have a lasting impact.

Well done to CESA and the YPF team for organising a truly impactful and forward-looking seminar.

## Free State YPF Leadership Seminar and Branch Function

**DATE:** 11 JUNE 2025  
**TIME:** 08:30 – 14:00  
**VENUE:** ILANGA ESTATE, FRANS KEYNHANS ROAD, GROENVLEI, BLOEMFONTEIN

**COLLABORATING FOR THE FUTURE WE WANT:  
MOBILISING FOR SUSTAINABLE DEVELOPMENT**



**Chris Campbell**  
CEO of CESA



**David Leukes**  
CESA President and MD of BVI Consulting Engineers



**Pulane Motloli**  
CESA Free State Branch Chairperson & Director at African Engineering and Construction Solutions



**Marizel Pienaar**  
YPF Vice Chairperson & Civil Engineer at Bigen Group



**Katiso Mokoena**  
YPF Free State Chairperson & Civil Engineer at Bigen Group



**Revelation Masobeng**  
Mangaung HOD for Technical Services



**Shelly Mona**  
Central University of Technology's Deputy Director of the Product Development Technology Station



**Ian Van Zyl**  
FLAGG Consulting Engineers - Middle Manager

**REGISTER TO ATTEND AND EARN 0.2 CPD POINTS**





# Innovation at SAISI ExpoSense 2025

PDTS was proud to participate in SAISI ExpoSense 2025, held on 21 June 2025 at Mosaic Church, Johannesburg.

Representing PDTS were Quality Engineer, Mzwake Moqhaisa and Marketing Assistant, Kekeletso Koroloso, who showcased our innovative assistive devices designed to support Sensory Integration and promote inclusive solutions for occupational therapy practices. Their demonstrations highlighted how technology can make a tangible difference in improving the quality of care and accessibility for clients.

ExpoSense provided an excellent platform for PDTS to connect with professionals across the sensory integration field, including occupational therapists, educators, researchers, and innovators. Attendees had the opportunity to exchange ideas, share best practices, and explore emerging trends in assistive technologies and inclusive solutions. The event also facilitated meaningful collaborations, enabling participants to discuss real-world challenges, co-develop strategies, and explore partnerships that have a tangible impact on improving accessibility and quality of care. By fostering these connections, ExpoSense reinforced the importance of innovation-driven solutions that directly enhance the lives of individuals requiring sensory support.

We extend our gratitude to SAISI for hosting this inspiring event and for providing a space where innovation, collaboration, and practical solutions converge.





# Professional Excellence: MPSA Designation

PDTS is proud to announce that Ms. Miralde Kotze, a valued member of our marketing and branding team, has been awarded the Marketing Practitioner South Africa (MPSA) designation by the Marketing Association of South Africa (MASA).

The Marketing Practitioner designation recognises professionals who have demonstrated multiple years of hands-on marketing experience, bridging the gap between strategic objectives and practical implementation. It affirms a professional's ability to plan and execute marketing campaigns, develop brand strategies, and deliver tangible results that align with organisational goals.

Ms. Kotze's achievement reflects her proven expertise, dedication, and competence in the marketing field. Over the years, she has played a pivotal role in shaping PDTS and client's brand identities, executing innovative campaigns, and driving engagement with both internal and external stakeholders.

"This designation is a meaningful recognition of the creativity, and strategic thinking that goes into every campaign we deliver at PDTS," said Miralde. "I'm honoured to join the ranks of professionals recognised by MASA, and I look forward to continuing to contribute to the growth and impact of our organisation."

PDTS celebrates this milestone, recognising it as a testament to professional excellence, credibility, and commitment within our team. Congratulations!



## Meet the Creative and Skilled Team



**Shelly Mona**  
Deputy-Director  
[smona@cut.ac.za](mailto:smona@cut.ac.za)



**Ronald Masheane**  
Lead Engineer  
[rmasheane@cut.ac.za](mailto:rmasheane@cut.ac.za)



**Thato Moloi**  
Project Coordinator  
[thatomoloi@cut.ac.za](mailto:thatomoloi@cut.ac.za)



**Tshepo Nqojana**  
Finance  
[knqojana@cut.ac.za](mailto:knqojana@cut.ac.za)



**Mzwake Moqhaisa**  
Quality  
[mmoqhaisa@cut.ac.za](mailto:mmoqhaisa@cut.ac.za)



**Francois Kuys**  
Advanced Machining and Tooling  
[fkuys@cut.ac.za](mailto:fkuys@cut.ac.za)



**Tebogo (Solly) Likhi**  
Medical Device Development  
[tlikhi@cut.ac.za](mailto:tlikhi@cut.ac.za)



**Miralde Kotze**  
Graphic Design and Branding  
[mkotze@cut.ac.za](mailto:mkotze@cut.ac.za)



**Katlego Makgeledisa**  
Medical Device Development  
[kmakgeledisa@cut.ac.za](mailto:kmakgeledisa@cut.ac.za)



**Ishmael Hlanganiso**  
Product Development  
[bhlanganiso@cut.ac.za](mailto:bhlanganiso@cut.ac.za)



**Hlulani Baloyi**  
Advanced Machining and Tooling  
[hbaloyi@cut.ac.za](mailto:hbaloyi@cut.ac.za)



## Meet the Creative and Skilled Team



**Kekeletso Tsholofelo Koroloso**

Marketing

[kkoroloso@cut.ac.za](mailto:kkoroloso@cut.ac.za)



**Thato Leseme**

Medical Device Development

[tleseme@cut.ac.za](mailto:tleseme@cut.ac.za)



**Palesa Ramantso**

Medical Device Development

[pramantso@cut.ac.za](mailto:pramantso@cut.ac.za)



**Khuma Pekenya**

Advanced Sheet Metal and Tubing

[pkhuma@cut.ac.za](mailto:pkhuma@cut.ac.za)



**Nyakallo Mokgeseng**

Advanced Sheet Metal and Tubing

[nmokgeseng@cut.ac.za](mailto:nmokgeseng@cut.ac.za)



**Nkosi Matthwes**

Workshop Assistant

[nmatthwes@cut.ac.za](mailto:nmatthwes@cut.ac.za)

## Engage with us on Social Media

Click on the arrows to visit our social pages



[www.pdts.co.za](http://www.pdts.co.za)

**Newsletter Editor:** Ms. Miralde Kotze

**PDTS Marketing, Social Media, Graphic Design and Branding**

**Email:** [mkotze@cut.ac.za](mailto:mkotze@cut.ac.za)

LATEST NEWS ON PDTS