

# Porto - Portugal

The image shows a large, golden-colored logo on a dark, textured background. On the left is a stylized globe with a cutout of the Americas. To the right of the globe, the words "WORLD BLASTING" are stacked above "INNOVATORS" in a bold, blocky, sans-serif font. The letters have a metallic texture and cast shadows. In the top right corner, the letters "in" are visible, likely part of a larger word.

WWW.WORLDBLASTINGINNOVATORS.COM



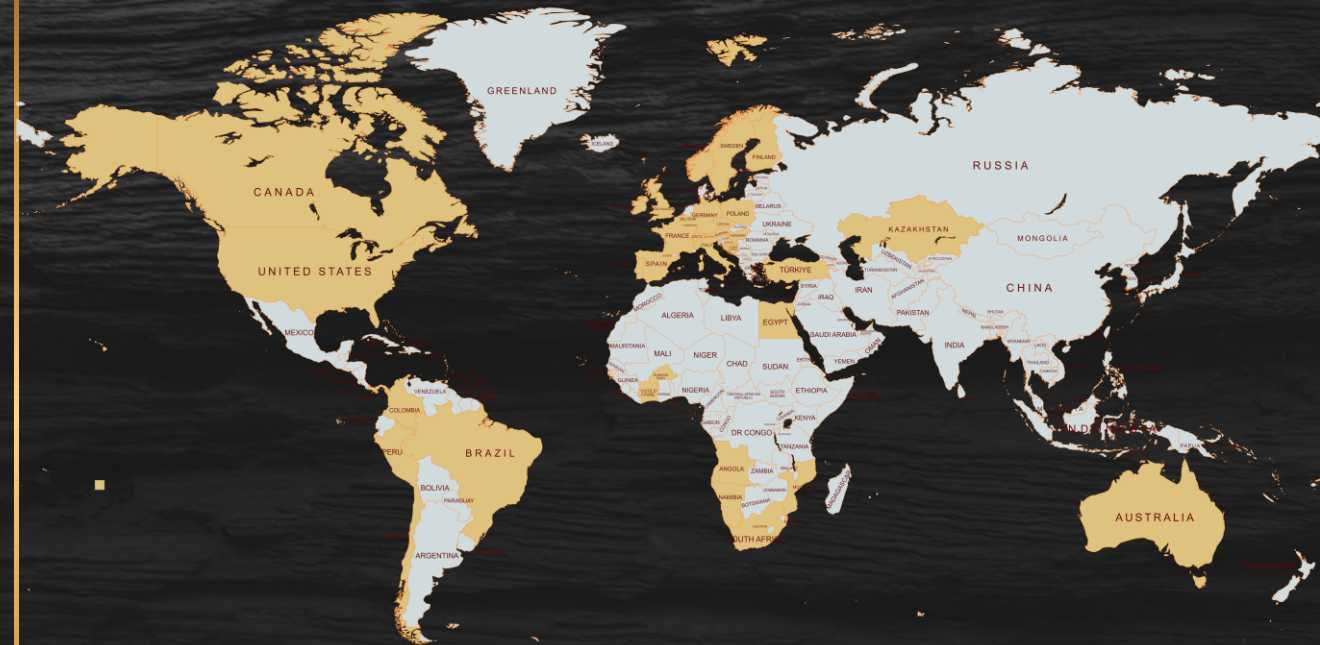


# What is WBI?



We created this community because we strongly believe in cross-collaboration. We see an opportunity here to revolutionize how businesses and products are developed! We live in a highly multidisciplinary world and it's essential to learn how to collaborate effectively with diverse individuals.

Our goal is to empower people to excel in their respective fields by enhancing their problem-solving abilities, fostering critical thinking, nurturing entrepreneurial skills, and facilitating collaboration with other trendsetters.





# EVENT OVERVIEW



Theme and Focus

# INNOVATION Drill&Blast

Key Objectives:

**Deep networking and  
learn the process to  
spark innovative ideas**

DRILL&BLAST  
INNOVATION KEY  
SPEAKERS

MASSIVE D&B  
DESIGN THINKING  
WORKSHOP

TEST YOUR LIMITS  
AS A MINING  
PROFESSIONAL

FIND SOLUTIONS  
FOR THE  
INDUSTRY

INTERNATIONAL  
DINNER PARTY

BOAT RIDE



# SPEAKERS



**Eugene Preis**  
Managing Director



**Raj Mathiravedu**  
Vice President Digital Solutions



**Marlene Tavares**  
Senior Mining Engineer



**Daniel Johansson**  
C. Prof. Mining Engineering



**Evan Thibaud**  
CEO



**Juan Navarro**  
Modeling & Simulation Specialist



**Nathan Rouse**  
President



**Andrew Palangio**  
Senior Technical Specialist



**Roberto Mendes**  
Sales Engineer



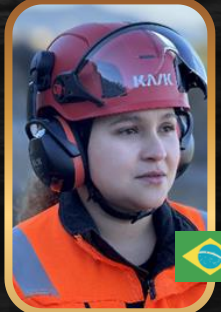
**Nikolaos Petropoulos**  
Senior Research Engineer



**Vegard Olsen**  
Sales & Marketing Manager



**Arnaldo Arancibia**  
Co-Founder President



**Andressa Almeida**  
Product & Production Manager



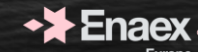
**Mason Troughet**  
Director Of Business Development



**Francisco Leite**  
COO



**Thierry Bernard**  
Founder, GM



**Maxime Cruz**  
Technical Manager



**Eric Estrada**  
Global Sales Marketing Manager





## Aggregates Production Center

On-site welcome  
Safety instructions  
The Quarry Programme  
Closing Notes

dstgroup  
building culture



Nuno Faria

dstgroup  
building culture



Diogo Fonseca



dstgroup  
building culture

## Drilling Spot Semi-Automated Drill-Rig

Drill-Rig operate with minimal human intervention, optimizing both time and drilling results

cimertex

Epiroc



Ramiro Rocha



Júlio Vieira

## Borehole Deviation Spot Borehole Deviation Systems

Systems providing borehole shape, to prevent safety hazards and improves operation outcomes

O-PITBLAST

O-PITBLAST

Carlson  
BEAR NEW GROUND



Raquel Sobral



Andressa Almeida



João Gomes

## Fragmentation Control Spot

Multiple systems to collect and monitor fragmentation results

WipWare

WipWare



Andrew Palangio



Thomas Palangio

## LiDAR Drone System Spot

LiDAR System to collect and manage high quality topography data

dstgroup  
building culture

Carlson  
BEAR NEW GROUND



Eduardo Pereira



Nuno Fernandes

## Explosives MMU & Bits Spot

Semi-Automated explosives MMU truck and Bits treatment technology

MOURA  
Explosives

ENRICH  
BITS & TOOLS



Douglas Maxwell



Evan Thibaud





# SPONSORS

## DIAMOND



## GOLD



## SILVER



## BRONZE



# PARTNERS

## COLLABORATIVE



## MEDIA

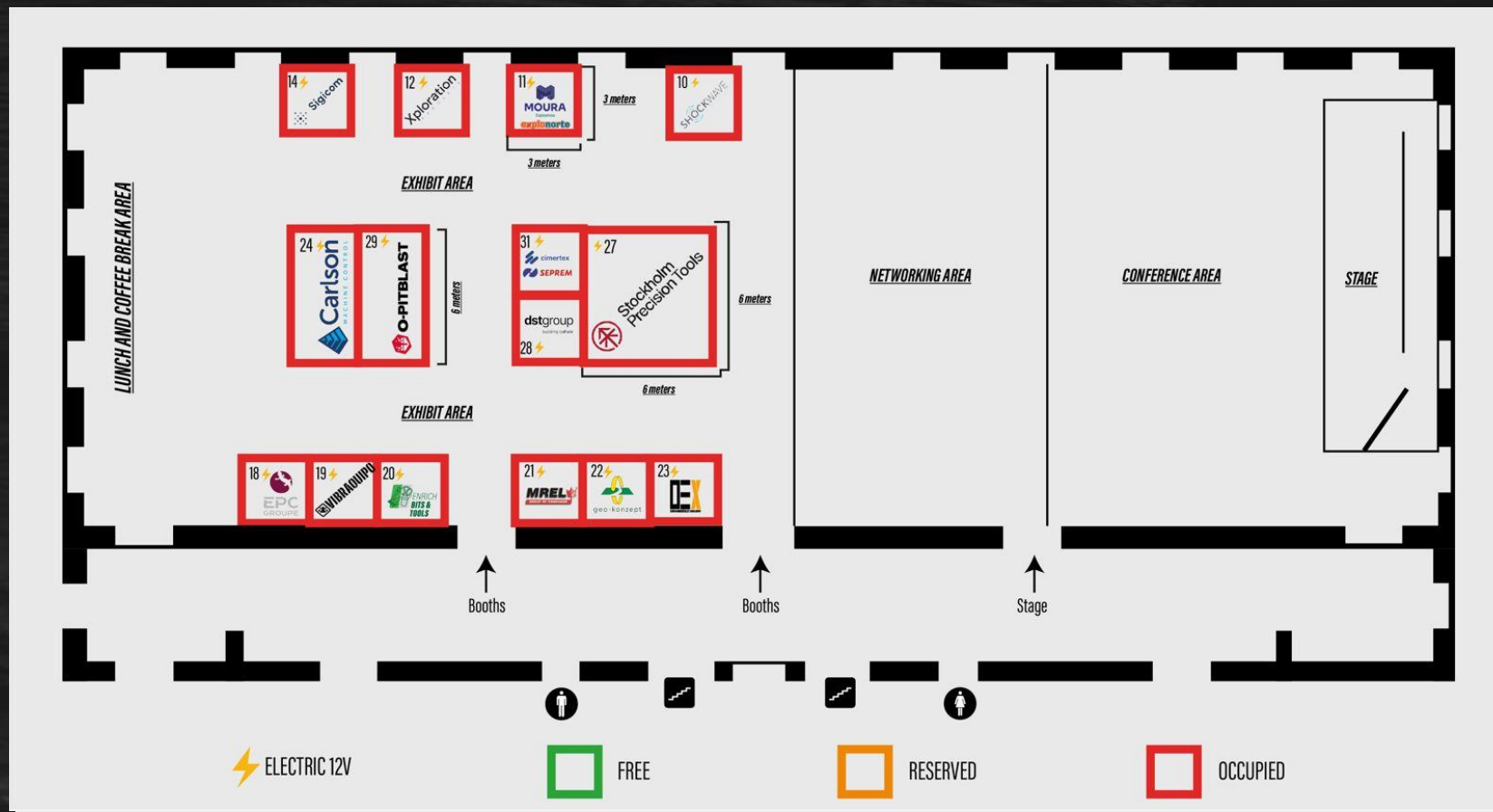


## INSTITUTIONAL



Sponsorship details here: [LINK](#)

# Exhibitors



Limit availability

Join us at this unique conference to support innovation, connect with young generations, solve industry challenges, and enjoy productive business interactions. Secure your spot now!

For more information check details below or contact:

- [info@blastinginnovators.com](mailto:info@blastinginnovators.com)
- [sara@blastinginnovators.com](mailto:sara@blastinginnovators.com)
- +351 918558879

Exhibitors' details here: [LINK](#)





# AGENDA – October 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup>



## Conference Activities

(@ Alfândega do Porto)

### OCTOBER 7th

- 08:00 - Registration
- 09:30 - Welcome message
- 09:45 - Daniel Johansson - [Luleå University](#)
- 10:15 - Roberto Mendes - [O-Pitblast](#)
- 10:45 - Networking Break
- 11:30 - Nikolaos Petropoulos - [LKAB](#)
- 12:00 - Vegard Olsen - [FORCIT](#)
- 12:30 - Lunch
- 14:00 - Juan Navarro - [MAXAM](#)
- 14:30 - Nathan Rouse - [Thoroughbred D&B C.](#)
- 15:00 - Mason Trouchet - [Shockwave Gel Tech.](#)
- 15:30 - Networking Break
- 16:00 - Thierry Bernard - [DNA Blast](#)
- 16:30 - Arnaldo Arancibia - [NEXTDET](#)
- 17:00 - Closing Remarks

## QUARRY OPEN DAY

**dstgroup**

building culture

## TRADESHOW

(@ Alfândega do Porto – exhibition hall)

### OCTOBER 8th

- 08:00 - Registration
- 08:50 - Welcome message
- 08:55 - Bento Aires - [Portuguese Eng. Association \(OERN\)](#)
- 09:00 - Andrew Palangio - [WIPWARE](#)
- 09:30 - Rajkumar Mathiravedu - [ORICA](#)
- 10:00 - World Blasting Innovators Message
- 10:15 - Networking Break
- 11:00 - Eric Estrada - [Stockholm Precision Tools](#)
- 11:30 - Eugene Preis - [ERG Industrials](#)
- 12:20 - ISEE Brazil Message – [Enrique Munaretti](#)
- 12:30 - Lunch
- 14:00 - D&B Design Thinking Workshop (Emphasize | Define | Ideate)  
[Francisco Leite](#) & [Evan Thibaud](#)
- 16:30 - Networking Break
- 17:00 - D&B Design Thinking Workshop (Prototype)
- 18:30 – Bus to International Dinner
- 19:00 – Welcome Cocktail
- 20:30 – International Dinner
- 23:00 – International Party

### OCTOBER 9th

- 08:00 - Registration
- 08:50 - Welcome message
- 08:55 - Nuno Faria - [dstgroup](#)
- 09:00 - Maxime Cruz – [ENAEX](#)
- 09:30 - Marlene Tavares - [Lundin Mining](#)
- 10:00 - Networking Break
- 10:30 - D&B Design Thinking Workshop (Prototype) [Francisco Leite](#) & [Evan Thibaud](#)
- 12:30 - Lunch
- 14:00 - D&B Design Thinking Workshop (Test/Presentations)
- 16:30 - Ferreira da Costa – [Portugal Dep. of Mines and Quarries \(DGEG/DSMP\)](#)
- 16:35 - Partners & Sponsors acknowledgment
- 16:45 - Group Photo
- 17:00 - Boat Ride
- 19:00 - The End, for now...





# QUARRY OPEN DAY

OCTOBER 7<sup>th</sup> 2024

08:00 – 19:00

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**AGGREGATES  
PRODUCTION  
CENTER**  
(Guimarães, Portugal)



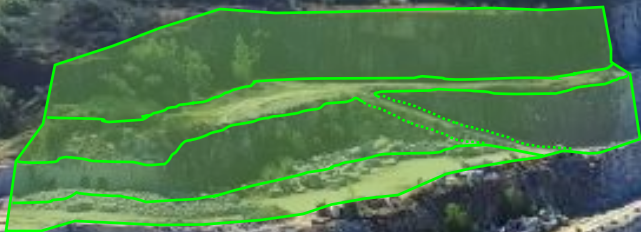
**LiDAR  
DRONE  
SYSTEM**



**FRAGMENTATION  
ON-SITE & PLANT**



**THE QUARRY  
PROGRAMME SPOT**



**SEMI-  
AUTOMATED  
MMU**



**SEMI-  
AUTOMATED  
DRILL RIG**



**BOREHOLE  
DEVIATION  
CONTROL**





# QUARRY OPEN DAY

**OCTOBER 7th**

**08:00** – Registration at “Alfândega do Porto Congress Center”

**09:15** - Departure from “Alfândega do Porto Congress Center” to dstgroup quarry

**11:00** - dstgroup Safety Induction

**11:30** - Spots Session

**13:00** - Spots Session

**14:00** - Lunch

**16:00** - Spots Session

**17:30** - Spots Session

**18:30** - WipWare Reflex Session

**19:00** - End Session

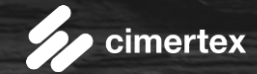
**19:30** - Departure to “Alfândega do Porto Congress Center”

(Approximate schedule. Exact times may vary.)

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building culture



**A** Drilling Spot



**B** Borehole Deviation Spot



**C** MMU & Bits Spot



**D** LiDAR & Fragmentation Spot





## VENUE INFORMATION



Airport Code: OPO

Airport 🚗 Event Venue: ~20 Min.

Airport 🚆 Event Venue: ~40 Min.



Event Places: [LINK](#)

# PORTO CITY (PORTUGAL)

The Porto area is big and thriving, home to around 1.7 million people. Its economy has been booming for the past ten years. Porto is an excellent choice for a vacation, tradeshow and events because it has a lot to offer in terms of activities, safe neighborhoods, and nice hotels.

With such a large population, there are many public transportation options available to help you get around the city. You can easily travel from your hotel to the various attractions in the area or the airport.



Porto Attractions: [LINK](#)



Porto Restaurants: [LINK](#)



Porto Bars and Night Life: [LINK](#)



Tourist Information: [LINK](#)



OCTOBER 8<sup>TH</sup>-9<sup>TH</sup> 2024  
PORTO - PORTUGAL



Conference at  
Alfândega Congress Center Porto - [LINK](#)



International Dinner at  
Porto Leixões Cruise Terminal - [LINK](#)




# REGISTRATION INFORMATION

REGISTRATION OPEN: SEPTEMBER 1<sup>ST</sup>, 2023





## ATTENDEES

Tier 1  – €540 – Early Bid (LA)  
Until November 30<sup>th</sup> 2023

**SOLD OUT!**


Tier 2  - €690 (LA)  
Until August 31<sup>st</sup> 2024

Tier 3  – Registration fees may  
change (LA)  
Until September 29<sup>th</sup> 2024

Tier 4  – Registration fees may  
change (LA)

+ taxes (if applicable)  
LA = Limited Availability

## EXHIBITORS

Booth 3mx3m  –  
€1.990  
1 Attendee access

Booth 6mx3m  –  
€4.900  
2 Attendee Access

Booth 6mx6m  –  
€9.980  
3 Attendee Access


**SOLD OUT!**


+ taxes (if applicable)

## SPONSORS

Diamond  – €12.000  
2 Attendee Access

Gold  – €6.250  
1 Attendee Access

Silver  – €2.900  
1 Attendee Access

Bronze  – €1.500  
1 Attendee Access

+ taxes (if applicable)

WIN AN  
HELICOPTER  
RIDE 

\*Share your **registration code** with colleagues and friends – the most used code will win the helicopter ride over Porto City

BOOST YOUR  
SALES AND  
LEADS 

\***Deeply connected** with an audience that is ready to test new approaches to solve industry problems

LEVERAGE YOUR  
VISIBILITY 

\***Help this event to come true** and your brand will be shared all over the world



# HELICOPTER RIDE

## ATTENDESS, EXHIBITORS & SPONSORS

Upon registering, you will receive a code. **Share this code** with your friends and colleagues to encourage their participation in WBI. Ask them to use the code during their registration process.

The individual who shares the highest number of codes will be awarded an exclusive helicopter ride over Porto City.



Referral Program details here: [LINK](#)

#### Referral Code

Share your Referral Code ~~XXXXXX~~ with colleagues and friends to win an Helicopter Ride over Porto City – find rules [here](#).



# SPEAKERS PRESENTATIONS



ERG  
INDUSTRIAL

## “Blasting is Art - so how can we consistently produce masterpieces?”

With case studies from Africa, North America, Middle East and Europe, Eugene will detail a contextual approach to getting the most out of drilling and blasting through combining solid blast engineering design principles.

**Eugene Preis** | Managing Director  
ERG Industrial



## “Innovations and recent developments in the Drill&Blast process – status and outlook in future”

Current landscape of Drilling and Blasting - knowledge and understanding. Strategies for Industry-wide data Integration, challenges and Future Advancements.

**Daniel Johansson** | C. Prof. Mining Engineering  
Luleå University Technology



## “A visionary approach to blasting aimed at improve the future of the mining industry”

Discussing the integration of robots, automation, and advanced technologies in blasting processes to upgrade mining methods. The focus will be on improving techniques for a more sustainable future in the mining sector.

**Nikolaos Petropoulos** | Senior Research Engineer at  
LKAB and professor at Luleå



## “How Unrivaled Blast Digital Twin Redefines Blasting Efficiency and Environmental Acceptability”

The digital twin for mining blasts uses advanced technologies to optimize blast planning, improving efficiency, safety, and environmental impact. The conference will highlight practical applications and benefits of this innovative approach.

**Thierry Bernard** | Founder, GM  
DNA-Blast Group



# SPEAKERS PRESENTATIONS



## “The basics of blasting theory – Are they still counting?”

A historical perspective on blasting theory, exploring how the industry has progressively integrated new technologies over time to enhance safety, increase performance rates, and improve efficiency in mining and construction operations.

**Vegard Olsen** | Sales&Marketing Manager  
Forcit Norway



## “Hydrogel Stemming: Shaping the Future of Drill & Blast”

Shockwave Gel Technologies brings a world-first innovation in stemming material. Reliably generating greater pressure wave impedance and causing greater fragmentation with reduced dust and noise, Troughet also reveals how simple it is to consistently achieve superior blast results with vastly less carbon emissions than traditional aggregate stemming.

**Mason Troughet** | Director Of Business Development  
Shockwave Gel Technologies



## “Value creation through Collaborative Innovation: Evolution of DI(square)”

In the resources industry, there is no dearth of data. We have been collecting data through various sources. Key is the value we create and capture from the data. This presentation will focus on how different ecosystem partners in the value chain need to come together with a collaborative mindset to deliver value in transforming Data to Insights and then to Intelligence.

**Raj Mathiravedu** | Vice President Digital Solutions  
ORICA



## “The future looks great but let’s not forget the lessons of blasters-past!”

How can we successfully advance drill and blast technology if we forget the lessons of our past? What efforts are we taking to preserve the lessons of the past for today and the future? Join Nathan and let's try to understand what we can do to save those lessons so we don't have to relearn them in the future.

**Nathan Rouse** | President  
Thoroughbred D&B Consultants



# SPEAKERS PRESENTATIONS



**MAXAM**  
Beyond Performance



## “Revolutionizing Blast Design for Enhanced Efficiency and Safety”

Explore the forefront of blast design innovation with a revolutionary approach and methodology, integrating cutting-edge digitalization techniques. Prioritize customize explosive density to rock properties, ensuring optimum results with every blast in both ing enhanced efficiency and safety, we Open Pit and Underground operations.

**Juan Navarro** | Modeling & Simulation Specialist  
MAXAM

**nextdet**  
Camblando el futuro de las voladuras



## “New inventions in explosive initiation systems”

To present new methodologies in blasting initiation systems, such as the Next3e device, which is an electronic adapter without explosive charge for its manufacture, transport and storage.

**Arnaldo Arancibia** | Co-Founder President  
Nextdet

**WipWare**  
PHOTOANALYSIS SYSTEMS



## “How can we transform blast fragmentation data into positive actions and meaningful change?”

Case studies of measuring blast fragmentation at the crusher: analyzing truck loads as they are added to the crusher and giving valuable feedback on blast quality without disrupting the mucking process or interfering with shovels operation. Recent applications of this type to showcase the technology (AI and Deep Learning) at work, both in quarries or mines.

**Andrew Palangio** | Senior Technical Specialist  
WipWare

**Enaex**  
Europe



## “From ideation to field implementation: the success story of an innovation in Electronic Initiation System for UG development”

The key steps, successful factors and issues met during the development of Davey Bickford Enaex innovative initiation solution: DaveyTronic Swift®, using Design Thinking and Agile methodologies

**Maxime Cruz** | Technical Manager  
ENAEX Europe



# SPEAKERS PRESENTATIONS



## “Exploring the Depths: A Case Study on 40m High Underground Stopes”

- Ring drilling inclination to maximize the hangingwall stope recovery and achieve maximum height.
- Blasting techniques and sequences to minimize underbreak on the sidewalls of the stope.
- Stripe reconciliation report - a summary of each drill & blast metrics for a better comprehension of stopes recovery, and what can possibly be done to optimize the process in the next.

**Marlene Tavares** | Senior Mining Engineer  
SOMINCOR - Lundin Mining



## “Precision in Blast Holes: Revolutionizing Efficiency and Safety”

Obtaining accurate data in blast holes is essential for optimizing costs, improving operational efficiency, and minimizing risks in industries such as mining, construction, and civil engineering. SPT has developed an innovative solution that precisely surveys deviations, overcoming the limitations of traditional equipment and reducing data collection time, allowing for more precise and effective control of operations.

**Eric Estrada** | Global Sales Marketing Manager  
Stockholm Precision Tools



**Francisco Leite**  
COO  
O-Pitblast



**Evan Thibaud**  
CEO  
Pneu Wave

## “Drill&Blast Design Thinking Masterclass”

Fundamentals of Design Thinking process for the development of new ideas and prototypes for challenges in the Drill&Blast Industry

Empathize | Define | Ideate | Prototype | Test



October 7th – 9th 2024  
Porto - Portugal

Get in touch with us  
[info@blastinginnovators.com](mailto:info@blastinginnovators.com)  
+351 918 558 879



“An event to help you overcome Drill&Blast challenges”

[WWW.WORLDBLASTINGINNOVATORS.COM](http://WWW.WORLDBLASTINGINNOVATORS.COM)

