



Ideas into life

Company Overview

At Dasyc S.A., our mission is to transform innovative ideas into high-quality products through our expertise in thermoplastics, BMC, and composite manufacturing. We are committed to provide comprehensive production solutions, exceptional design and engineering services, and unmatched customer support. Our goal is to build lasting partnerships with our clients by consistently providing value-added services and ensuring excellence in every project we undertake.



Technical plastics manufacturer since 1979

1979 Founded as Technika Plastika



1987- IBM's Preferred Supplier

1994-Bureau Veritas ISO 9002



1996

2000-Gas Assist Injection Molding



2003-Start of composite production for Defense aeronautics



2003



2015-CMTH

2021-Robotic over molding for E360 residential e-meters



Services Offered

- **Design for Manufacturability (DFM)**

Optimizing designs for efficiency and cost-effectiveness.

- **Custom Tooling Solutions**

Tailored tools to meet specific customer needs.

Mold classes 101-105 for varying production volumes.

Full customer after sale service,
with fully equipped inhouse tool shop.

- **Material Expertise**

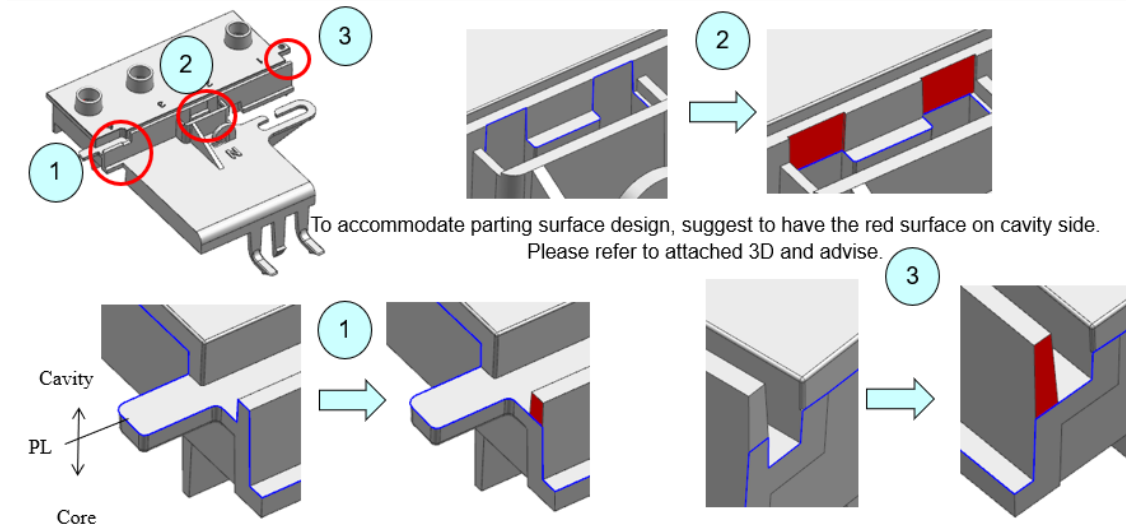
Specialization in thermoplastics, BMC, and composites.

- **Prototype Development**

Rapid prototyping for design validation.

Propose to customer the best options to secure productivity

Design for Manufacturing						Rev.02				
Part name & No	MD00023784	Issue No		Raised By		RAISED DATE	Jul 2, 2024	STATUS	Close Waiting	OK
DFM ISSUES	Proposal									



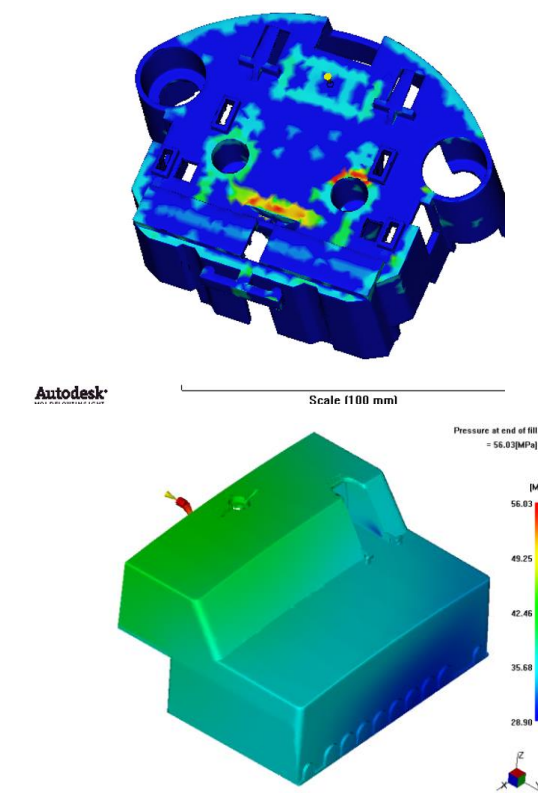
CrNi Testing Report For BMC Tool

Testing report						
Coating:	CRN	Color:	Silver white	Production batch number:	NARC3-24060708	quantity:
Adhesion level:	1	Zoom in 100x	hardness	1986	Zoom in 100x	thickness/
Binding force test			surface state			

Testing items	Shipping standards	test method	Actual measurement	test result		
Film thickness/um:	3-6	Ball mill microscope	5.49	OK		
adhesion :	1-2	Rockwell hardness tester /microscope	1	OK		
Microhardness:	1700-2000	Vickers hardness tester	1986	OK		
Visual inspection:	visual	OK	microscope	OK		

※ All test results are influenced by test

Flow Simulation is always advised



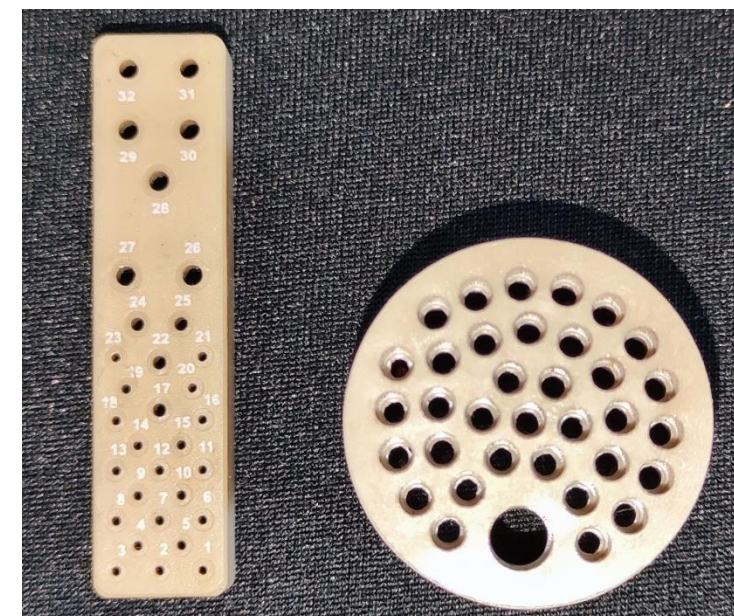
Manufacturing Capabilities

- **Advanced CAD/CAM Capabilities**
 - State-of-the-art software for precise mold design and simulation.
- **High-Precision Machining**
 - CNC machines ensuring tight tolerances.
- **Over molding**
 - Expertise in over molding to combine multiple materials into a single product using robotics.
 - Enhances functionality and aesthetics of the final product.
 - Very Competitive compared to 2k molding.
- **Machine Range**
 - Injection molding machines ranging from 75 to 300 tons.
 - 13 machines used for Thermoplastics.
 - 3 Thermosets – BMC.

Over Molding using two injection machines & robotic Arm



Electronic Connectors using PEEK



Over molding PC on metal



Manufacturing Capabilities

• Material Specialization

- Specializes in PC (Polycarbonate) and PA (Polyamide).
- Capable of using PEEK, ABS, and PBT materials.
- Specialized on BMC over 20 years.

• Multi-Shot Molding

- Advanced techniques for molding multiple materials in a single process.

• Insert Molding

- Incorporating metal or plastic inserts during the molding process.

• Gas-Assist Injection Molding

- Reduces weight and material usage while maintaining strength.

Process Parameters are recorded per part

Dasyc S.A. Process Parameters (Tederic)
08.04 Process Parameters_Rev10, 01/02/2024

Date: 12-Jul-2024
03-MMM-yyyy

ΚΩΔΙΚΟΣ ΠΡΟΙΟΝΤΟΣ: 3004330

ΚΩΔΙΚΟΣ ΥΛΙΚΟΥ: 5003320

ΜΗΧΑΝΗ: TEDERIC D300 B

Mold

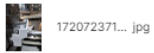
Close

	1	2	3	Protect	HiPress
Pressure bar *	35	40	25	25	85
Velocity % *	35	40	15	25	45
To mm *	50	40	30	5	

Mold Protect Time *

	Actual	Limit
Mold protect time (s) *	0.5	0.7

Any tool or machine issue is online recorded

ΑΝΑΦΟΡΑ ΒΛΑΒΗΣ ΜΗΧΑΝΗΣ η Καλου...	
Date-Time	11-Jul-2024 21:46
ΑΝΑΦΟΡΑ ΚΑΛΟΥΠΙ η ΜΗΧΑΝΗ	ΚΑΛΟΥΠΙ
ΟΝΟΜΑ ΕΡΓΟΔΗΓΟΥ	Μπονιδης
ΜΗΧΑΝΗ	T300A
Κωδικος εξαρτηματος	3004240
Κωδικος καλουπιου	7
Κοιλοτητα	
ΑΝΑΦΟΡΑ ΠΡΟΒΛΗΜΑΤΟΣ	Πειρακι
Το Πρόβλημα παρατηρήθηκε	Κατά τη λειτουργία
ΦΩΤΟΓΡΑΦΙΑ	
Προτεραιότητα - Το συμπληρώνει ο Οργανισμός	
Διορθώθηκε (μηχανουργείο)	NAI
ΣΧΟΛΙΑ ΜΗΧΑΝΟΥΡΓΕΙΟΥ	
Unique ID	446
Added Time	11-Jul-2024 21:48:49
Referrer Name	

SCADA is used on all machines

Injection machines list

Injection machines view | Schedule view

Add new injection machine | Location: -all | Filter: All | With counters | Working

No.	Type	Name	Clamping force (tons)	Columns spacing (width/height)	Current tool	Status OK/NOK	Count	Schedules
1		KM200	200	950	7001136 (3003250/3003640 E360 1PH Terminal Cover for BS/DIN Standard)	OK	2 787 234	—
2		KM80	80	400	7001122 (3002920 E360 TOP COVER WINDOW)	OK	2 347 257	—
3		KM250	250	600	7001123 (3002910 E360 TOP COVER (without window))	OK	1 436 180	—
4		T-300B	300	1000	3004100 (3004100 E360 1ph Fluvius Top Cover)	OK	3 023 635	—
5		KM300A	300	5000	—	OK	393 099	—
6		KM300C	300	5000	7001179 (3003920-BASEPLATE RA (L-G AMERICA))	OK	1 420 734	—
7		Km300b	300	500	72110 (BASEPLATE - 151367)	OK	1 015 773	—
8		AR200	200	300	7001125 (3003020-SHROUD RA SD)	OK	1 717 235	—
9		AR130	130	200	7001025 (300610-NOZZLE PLATE LOWER)	OK	2 255 067	—
10		AR-75	75	100	7001119 (3002930 E360 SEAL PLUG)	OK	3 521 291	—
11		TE 300 A	300	500	7001140 (3004130 E360 1PH Top Cover)	OK	956 305	—
12		T130	130	111	7001129 (3002940 E570 Terminal Cover 40mm (grey))	OK	655 175	—
13		TE300C	300	111	7001197 (3004330-SHROUD RA SD)	OK	2 006 989	—

Show 50 entries

13 items

Online tool maintenance alarm

Tool parameters

Type: Injection tool

Tool number:

Name: 3004100

Part name: 3004100-E360 1ph Fluvius Top Cover

Location: Main hall

Customer: Landis & Gyr Hellas

Note:

Counter/MAC:

Machine: T-300B (300)

Access sharing: for toolmaker (editing allowed) for subcontractor (reading only allowed)

Production statistics: [settings](#)

Today: 756 cycles | This week: 3 322 cycles | This month: 17 129 cycles

Maintenance schedules

Show "SERVICE" notification on LCD display [?](#)

The counter is programmed: -

OPTIKOS GENIK... 0% Next: 2920000

every 40000 10000 before

5

[?](#) Average performance for schedule prediction: 60.8 cycles / h [change](#) (calculated by the system)

Quality Assurance

• Quality Control

- Rigorous inspection and testing protocols.
- Utilize Forms on tablets in the shop floor to efficiently record and manage production quality issues.
- Lot Tracking on every pallet.
- Measuring during production.
- Process Capability Study & GRNR using Minitab.

• Full-Equipped Laboratory

- CMM (Coordinate Measuring Machine)
- Measuring Microscope.
- Colorimeter

• PPAP (Production Part Approval Process)

- Meeting Automotive standard (IATF 16949)
- Ensures that customer-specific requirements are met.

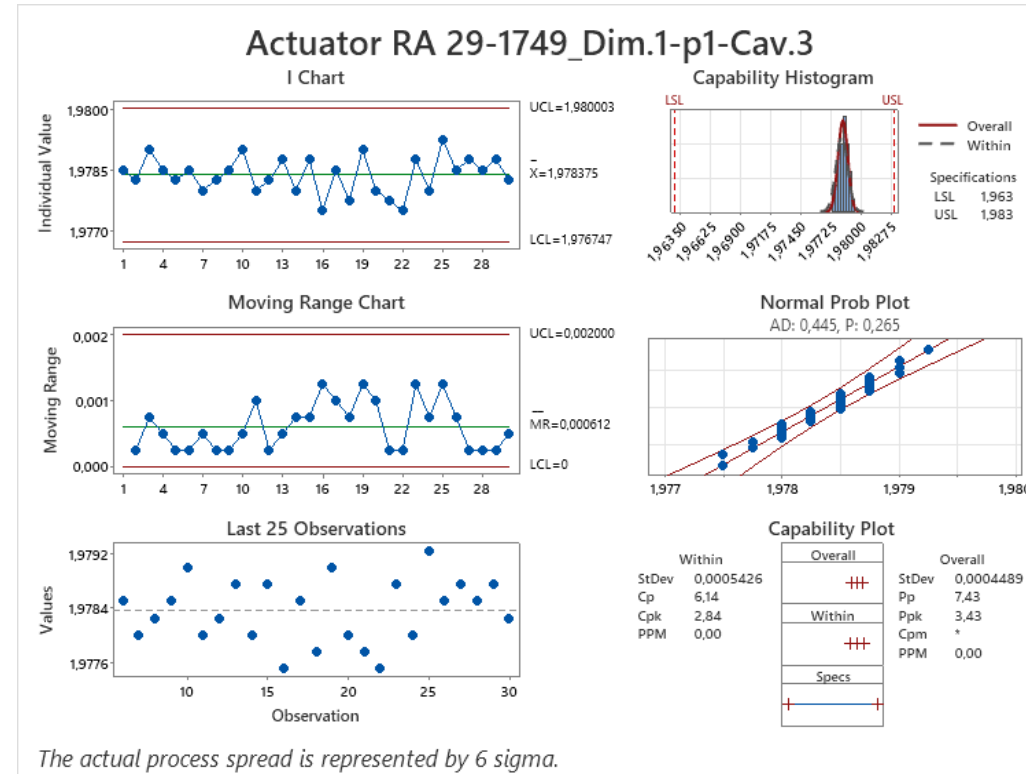
• Certifications

- ISO 9001:2015
- ISO 14000 :2015

• Sustainability Practices


- Environmentally friendly manufacturing processes.

Process Capability Study using Minitab

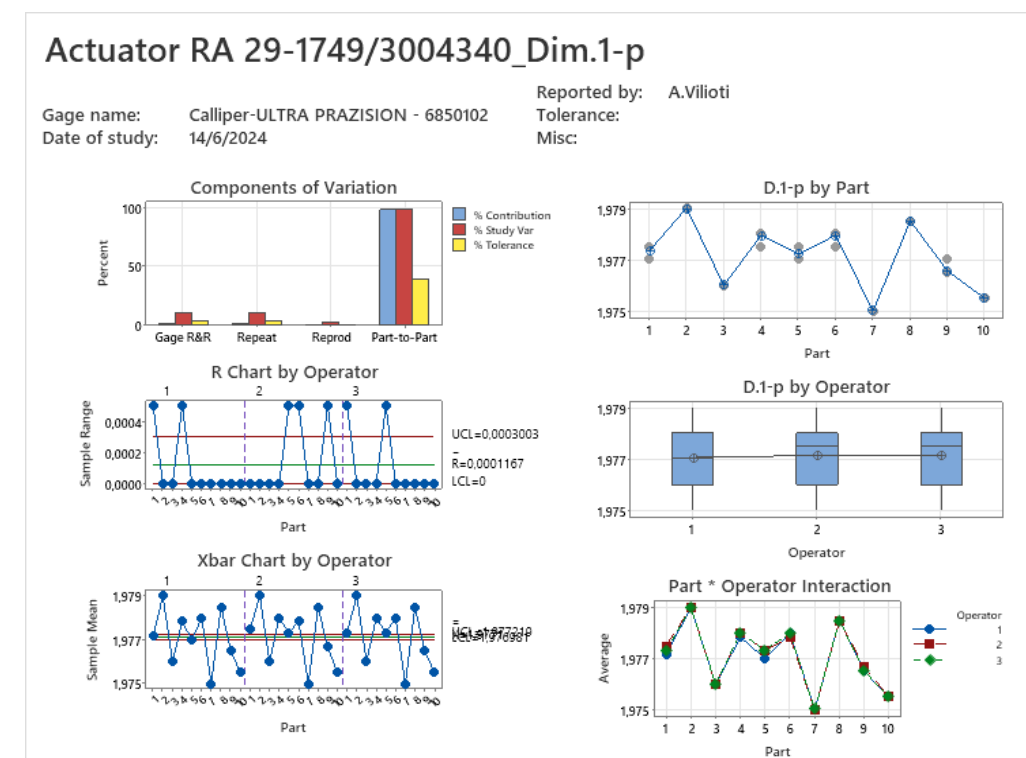


Online recording of incidences

09.30 Ειδοποίηση για πρόβλημα σε Εμφάνιση- Λειτουργικότητα/
Notification for risk in Appearance-Functionality_rev0_2.10.2023

Ειδοποίηση για πρόβλημα σε Εμφάνιση-	
Date-Time	03-Jul-2024 09:46
ΟΝΟΜΑ ΠΟΙΟΤΙΚΟΥ	156
ΑΝΑΦΟΡΑ ΠΡΟΒΛΗΜΑΤΟΣ	φλας
Κωδικος εξαρτηματος η καλουπιου	3004240
ΠΡΟΔΙΑΓΡΑΦΗ ΜΕ ΠΡΟΒΛΗΜΑ	Φλάς
ΦΩΤΟΓΡΑΦΙΑ	 image_1719... .jpg
Unique ID	270
ΜΗΧΑΝΗ	T300A
Lot	7540
Άμεση ενέργεια :	
ΒΑΡΔΙΑ	A

Gage R&R Study using Minitab



Manufacturing Composites Production

CMTH Production using 3,3 meters tool for vacuum Infusion

Materials

- *Carbon fibers, glass-fibers, Kevlar-fibers*
- *Epoxy Resins*
- *Polyester resins*

Production Methods

- *RTM*
- *Light RTM*
- *Vacuum Resin Infusion*
- *Wet Lay-up*

Product Weight & Size

- *No actual limitation*



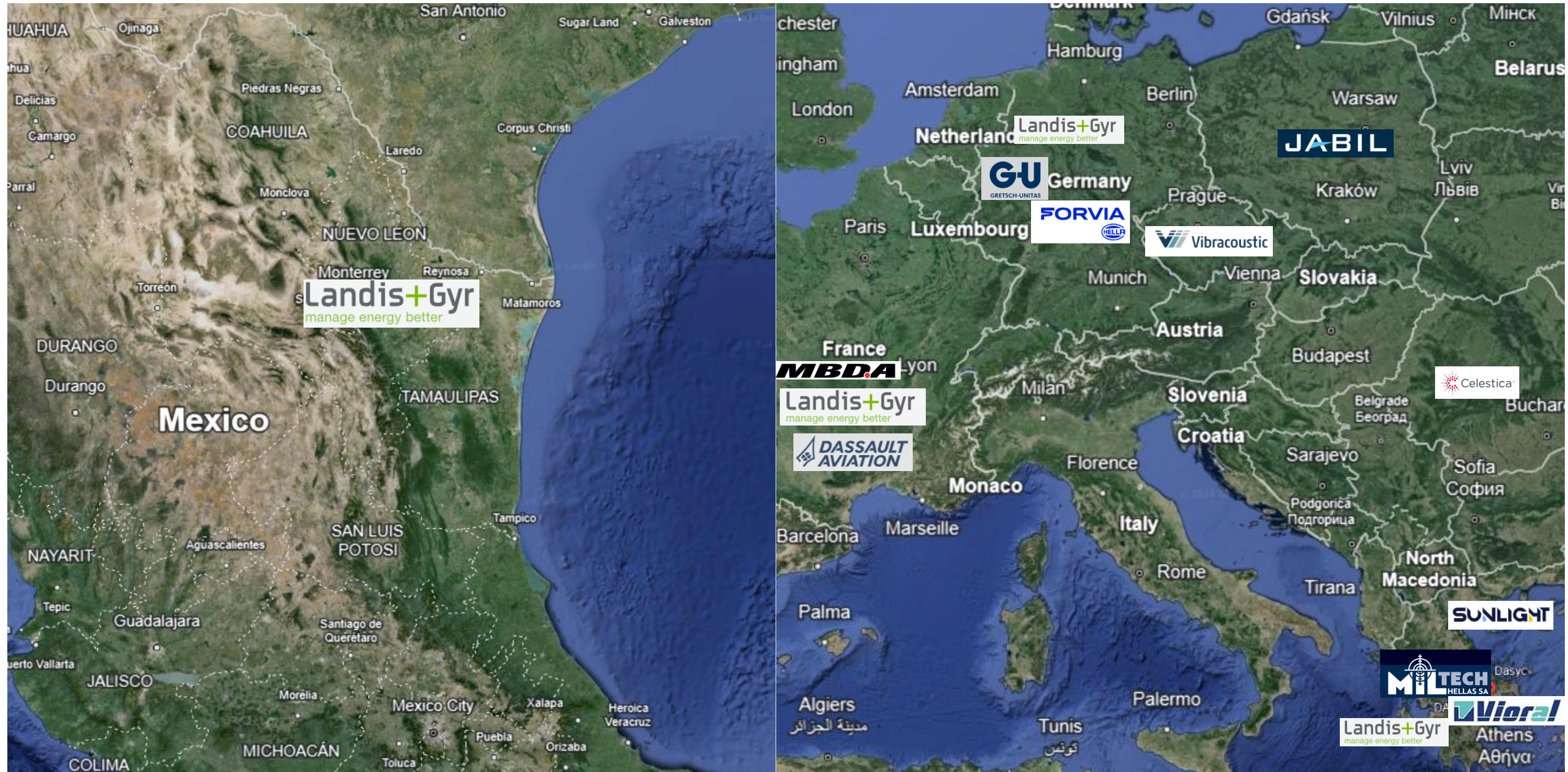
CMTH

A patented innovative product designed and developed by Dasyc which addresses mobile storage, parking, maintenance and housing or workspace needs.

- The CMTH is comprised of composite prefabricated panels, produced in the manufacturing plant.*
- Production method: Vacuum Assisted RTM / HARD PU Foam Molding*
- The panels are easily transported (land-sea-air), assembled and disassembled at any site with minimal ground preparation*



Main Global Markets served





Thank you