



HUM

OIL & FAT TECHNOLOGIES



HUM



since 1960



HUM Oil & Fat Technologies

Provides:

- Complete and unique set of engineering
- State of the art In-house manufacturing
- Determined After Sales Support
- All core machinery & equipment for unit operations and processes
- Close attention of high-skilled professionals at each stage of the project

in 35+ countries



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What are the Privileges of HUM?

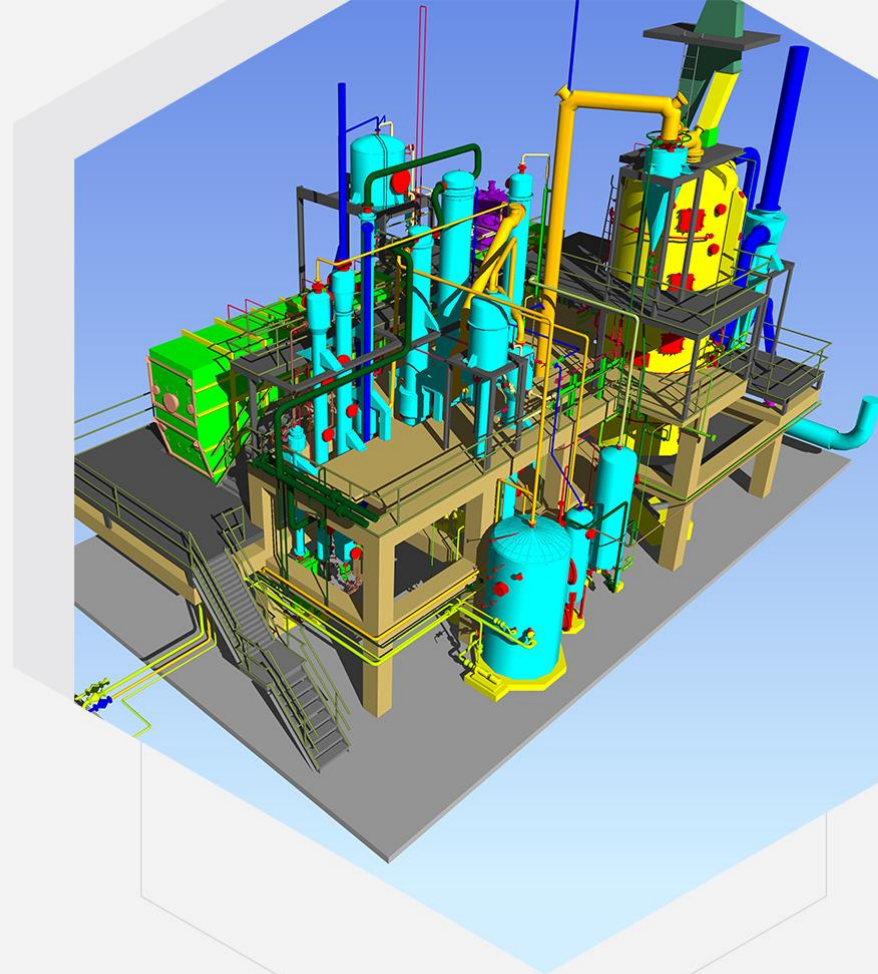
65 years of experience in the edible oil processing

- In house manufacturing
- Customer oriented solutions
- High Level of “Plant-Automation” integrated by PLC
- Low operation & consumption costs
- Competitive delivery periods
- Fast and effective After Sales Services
- Spare parts management



Engineering

- Qualified Engineering Service
 - Plant Design
 - Process Design
 - Equipment Design
- Use of modern 3D Design and Drafting Programs (AUTOCAD, SOLIDWORKS, CHEMCAD)
- Plant modification for revamping and capacity increase.
- Executed according to ISO 9001:2015 Quality Management System



Manufacturing

Equipment with excellent efficiency

- Perfect Location in Aegean Free Zone Area
- Executed according to codes and standards (CE, GOST, EAC, ISO, UNI EN, ASME)
- Persistent high quality by applying methods of testing i.e. X-ray, magnetic particle, ultrasonic, liquid penetrant testing...
- Tailor-made solutions for customers
- Installation and Start up Supervising with its expert staff.



Process Technologies

Oily Seed Processing Technologies

- Oilseed Preparation
- Mechanical Extraction
 - Pre-Pressing
 - Full-Pressing
 - Rendering
- Solvent Extraction incl. zero effluent system
- Oil Refining
 - Water degumming
 - Hot & Cold neutralizing
 - Bleaching
 - Winterizing
 - Deacidification & Deodorizing



HUM



HUM Equipment

In house Manufactured



HUM Equipment

- Crusher
- Flaker
- Soybean Conditioner
- Stack Type Conditioner & Cooker
- Screw Press
- Oil Screening Tank
- Cake Crusher & Cooler
- Extraction Plant Equipment
(Extractor, Toaster, Processing tanks, Condensers & Evaporators)
- Refining Plant Equipment
(Bleacher, Crystallizator, Deodorizer, Processing Tanks)





HUM Equipment

- **Crusher**

- Flaker
- Soybean Conditioner
- Stack Type Conditioner & Cooker
- Screw Press
- Oil Screening Tank
- Cake Crusher & Cooler
- Extraction Plant Equipment
(Extractor, Toaster, Processing tanks, Condensers & Evaporators)
- Refining Plant Equipment
(Bleacher, Crystallizer, Deodorizer, Processing Tanks)

From 500 to 1250 ton/24 hrs.





HUM Equipment

- Crusher
- **Flaker**
- Soybean Conditioner
- Stack Type Conditioner & Cooker
- Screw Press
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- Cake Crusher & Cooler
- Extraction Plant Equipment
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From 100 to 500 ton/24 hrs.





HUM Equipment

- Crusher
- Flaker
- **Soybean Conditioner**
- Stack Type Conditioner & Cooker
- Screw Press
- Oil Screening Tank
- Cake Crusher & Cooler
- Extraction Plant Equipment
(Extractor, Toaster, Processing tanks, Condensers & Evaporators)
- Refining Plant Equipment
(Bleacher, Crystallizer, Deodorizer, Processing Tanks)

From 150 to 2000 ton/24 hrs.





HUM Equipment

- Crusher
- Flaker
- Soybean Conditioner
- **Stack Type Conditioner & Cooker**
- Screw Press
- Oil Screening Tank
- Cake Crusher & Cooler
- Extraction Plant Equipment
(Extractor, Toaster, Processing tanks, Condensers & Evaporators)
- Refining Plant Equipment
(Bleacher, Crystallizer, Deodorizer, Processing Tanks)

From 150 to 2000 ton/24 hrs.





HUM Equipment

- Crusher
- Flaker
- Soybean Conditioner
- Stack Type Conditioner & Cooker
- **Screw Press**
- Oil Screening Tank
- Cake Crusher & Cooler
- Extraction Plant Equipment
(Extractor, Toaster, Processing tanks,
Condensers & Evaporators)
- Refining Plant Equipment
(Bleacher, Crystallizer, Deodorizer, Processing Tanks)



From 10 to 1200 tons /24 hrs



HUM Equipment

- Crusher
- Flaker
- Soybean Conditioner
- Stack Type Conditioner & Cooker
- Screw Press
- **Oil Screening Tank**
- Cake Crusher & Cooler
- Extraction Plant Equipment
(Extractor, Toaster, Processing tanks, Condensers & Evaporators)
- Refining Plant Equipment
(Bleacher, Crystallizer, Deodorizer, Processing Tanks)

From 25 to 1000 tons/24 hrs.





HUM Equipment

- Crusher
- Flaker
- Soybean Conditioner
- Stack Type Conditioner & Cooker
- Screw Press
- Oil Screening Tank
- **Cake Crusher & Cooler**
- Extraction Plant Equipment
(Extractor, Toaster, Processing tanks, Condensers & Evaporators)
- Refining Plant Equipment
(Bleacher, Crystallizer, Deodorizer, Processing Tanks)



From 25 to 2000 tons/24 hrs.



HUM Equipment

- Crusher
- Flaker
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- Screw Press
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- **Extraction Plant Equipment**
(Extractor, Toaster, Processing tanks, Condensers & Evaporators)
- Refining Plant Equipment
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From 100 to 2000 ton/24 hrs.





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From 100 to 1000 ton/24 hrs.





After Sales Services & Spare Parts

- Site supervision during installation, commissioning and start-up.
- Technical assistance during planned maintenance periods
- Detailed assessment & refurbishment of HUM machinery
- Excellent guide drawings and spare part lists through operating manuals
- Special hard-faced wear parts



HUM

REFERENCES



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BUNGE - Romania

Solvent Extraction Plant for Soybean
Solvent Extraction Plant for Rapeseed

CARGILL - Turkey
Pressing Plant for Sunflower
Solvent Extraction Plant for Sunflower

VITERRA – Czech Republic
Cooker for Rapeseed Processing

VFI - Austria
Cooker for Soybean and Corn germ Processing

AVRIL - France
Flaker for Rapeseed Processing

GEBI – Serbia
Solvent Extraction Plant for Sunflower, Rapeseed, Soybean

ALMEX - Serbia
Full Pressing Plant for Corn germ

KLAS OIL - Bulgaria
Solvent Extraction Plant for Sunflower
Pre-Pressing Plant for Sunflower
Refining Plant for Sunflower Oil





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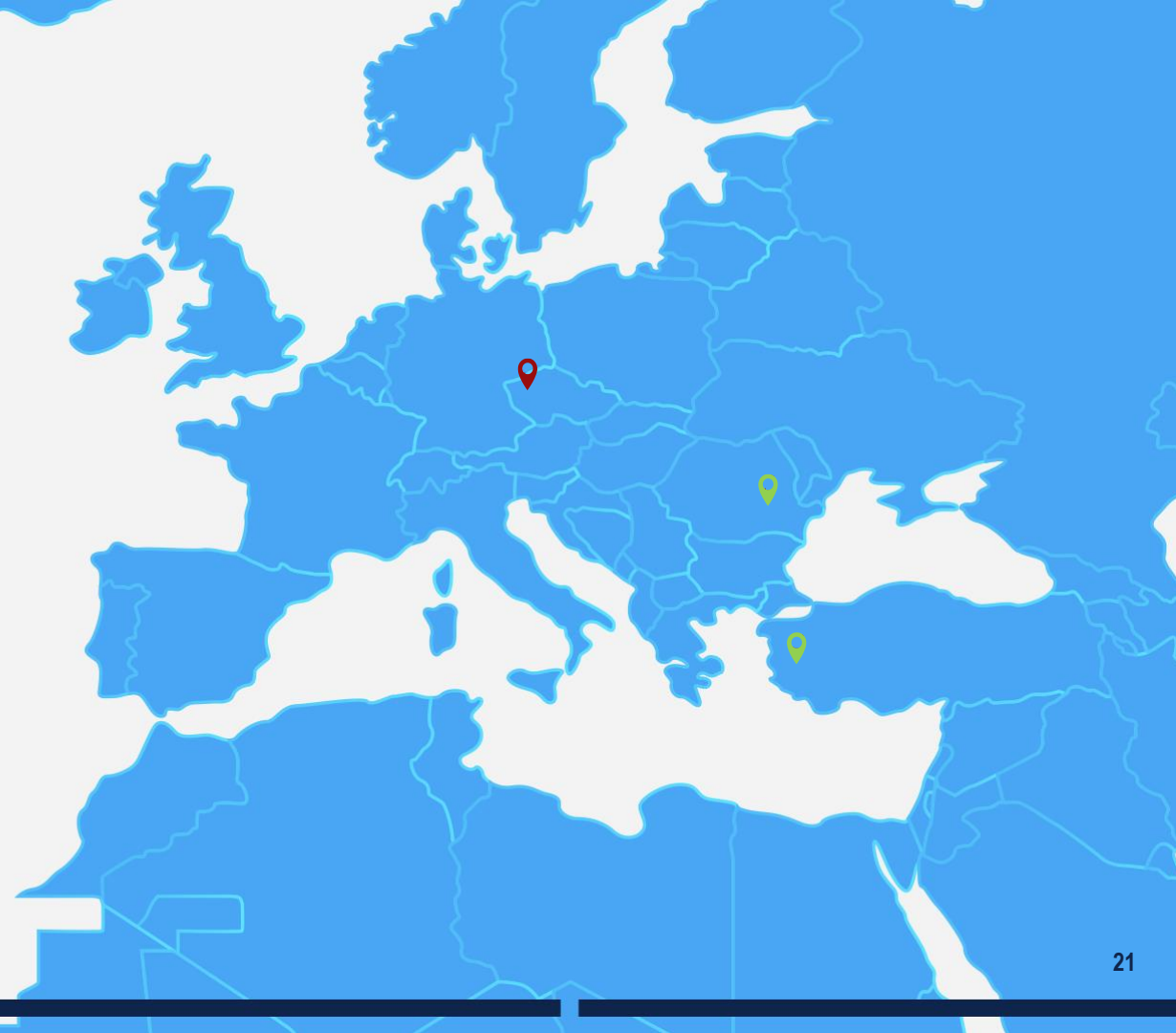
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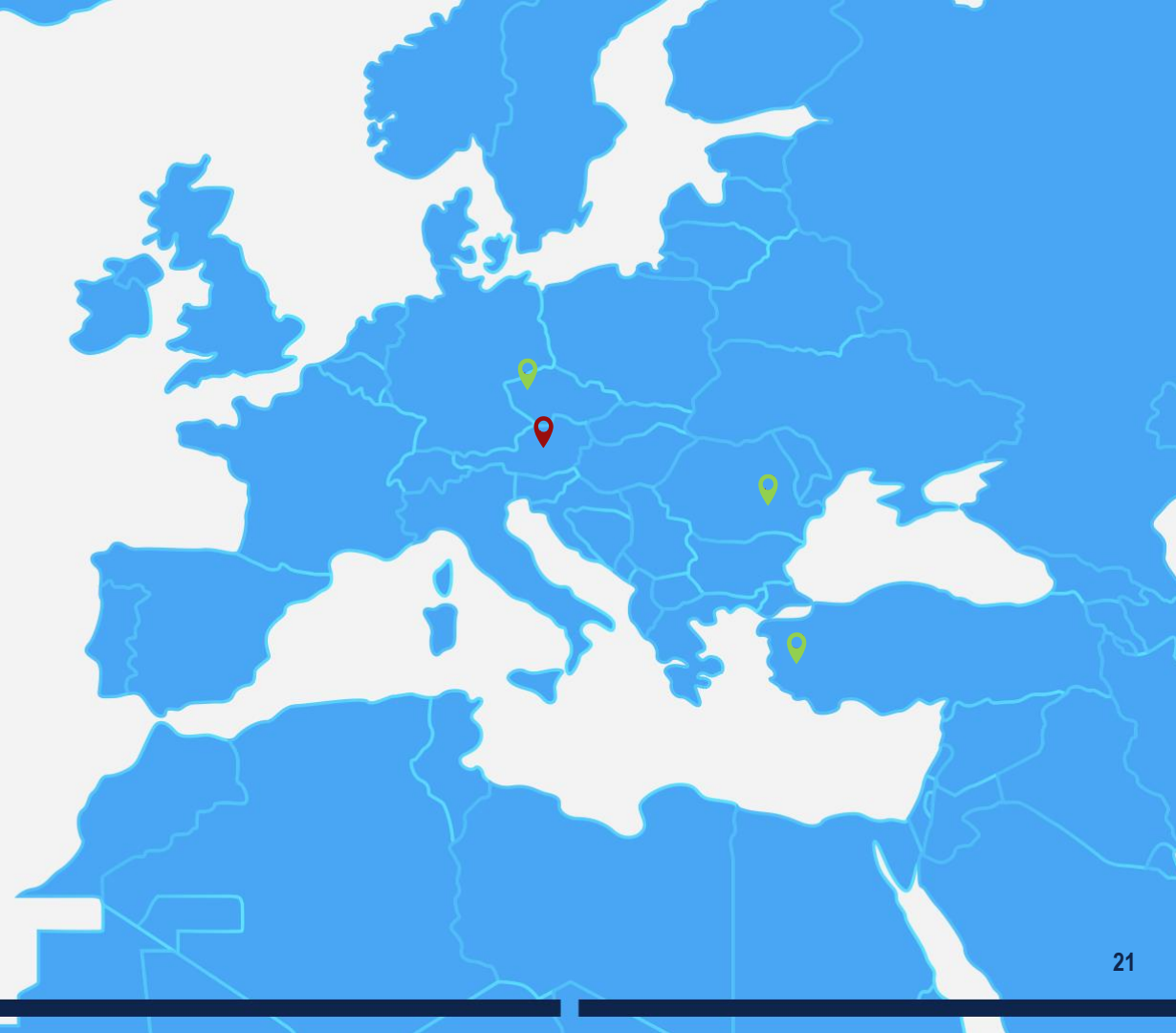
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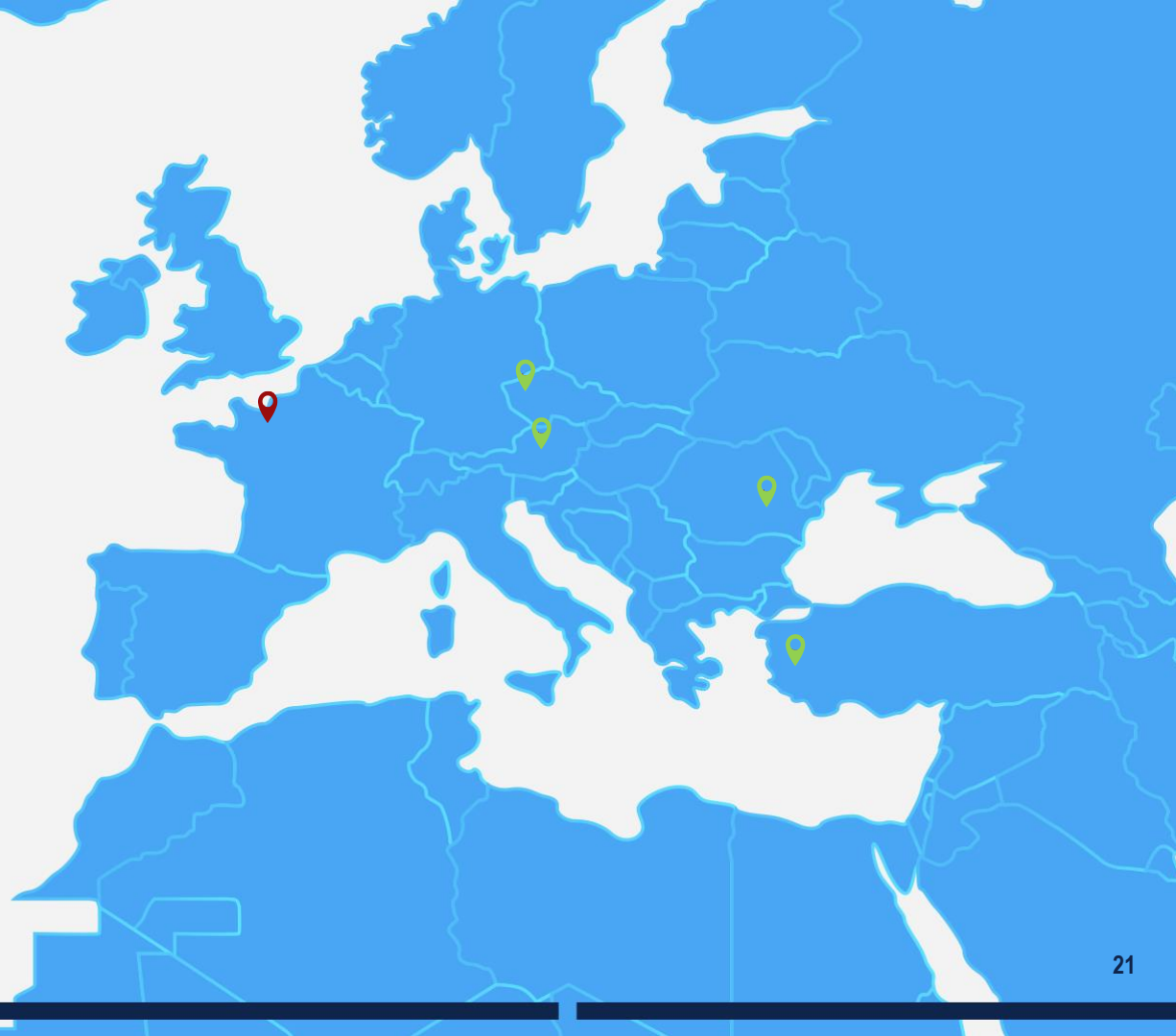
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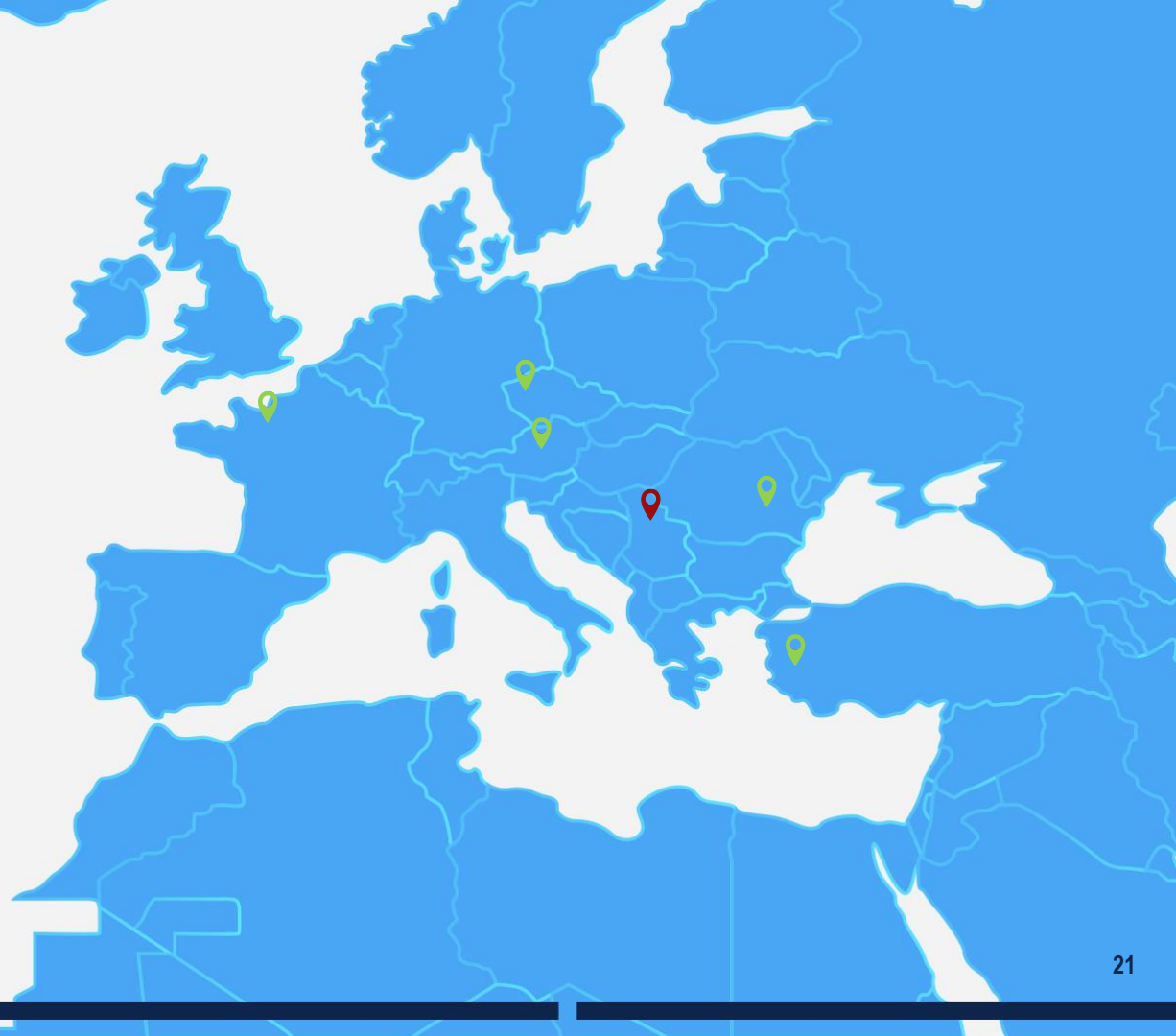
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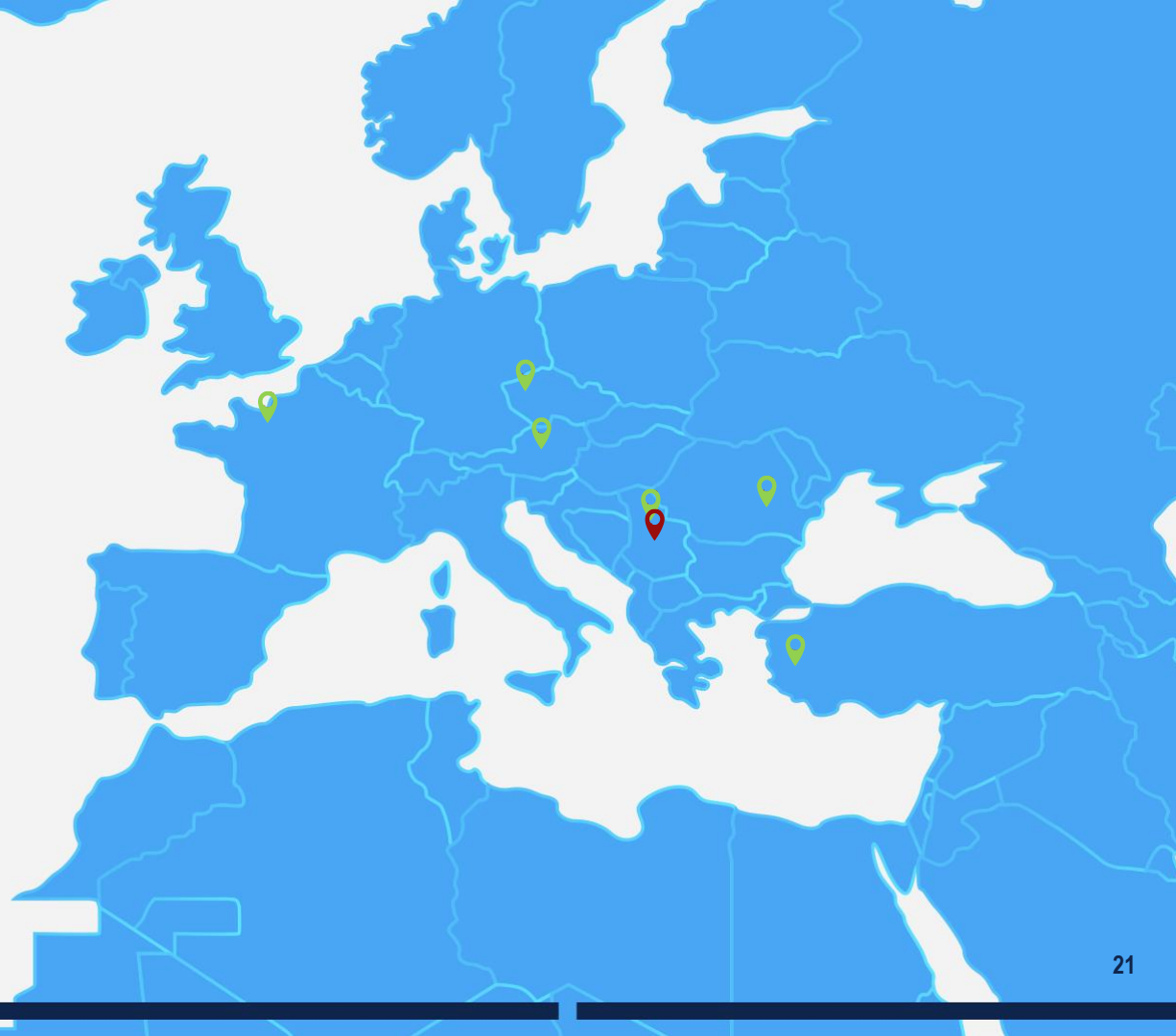
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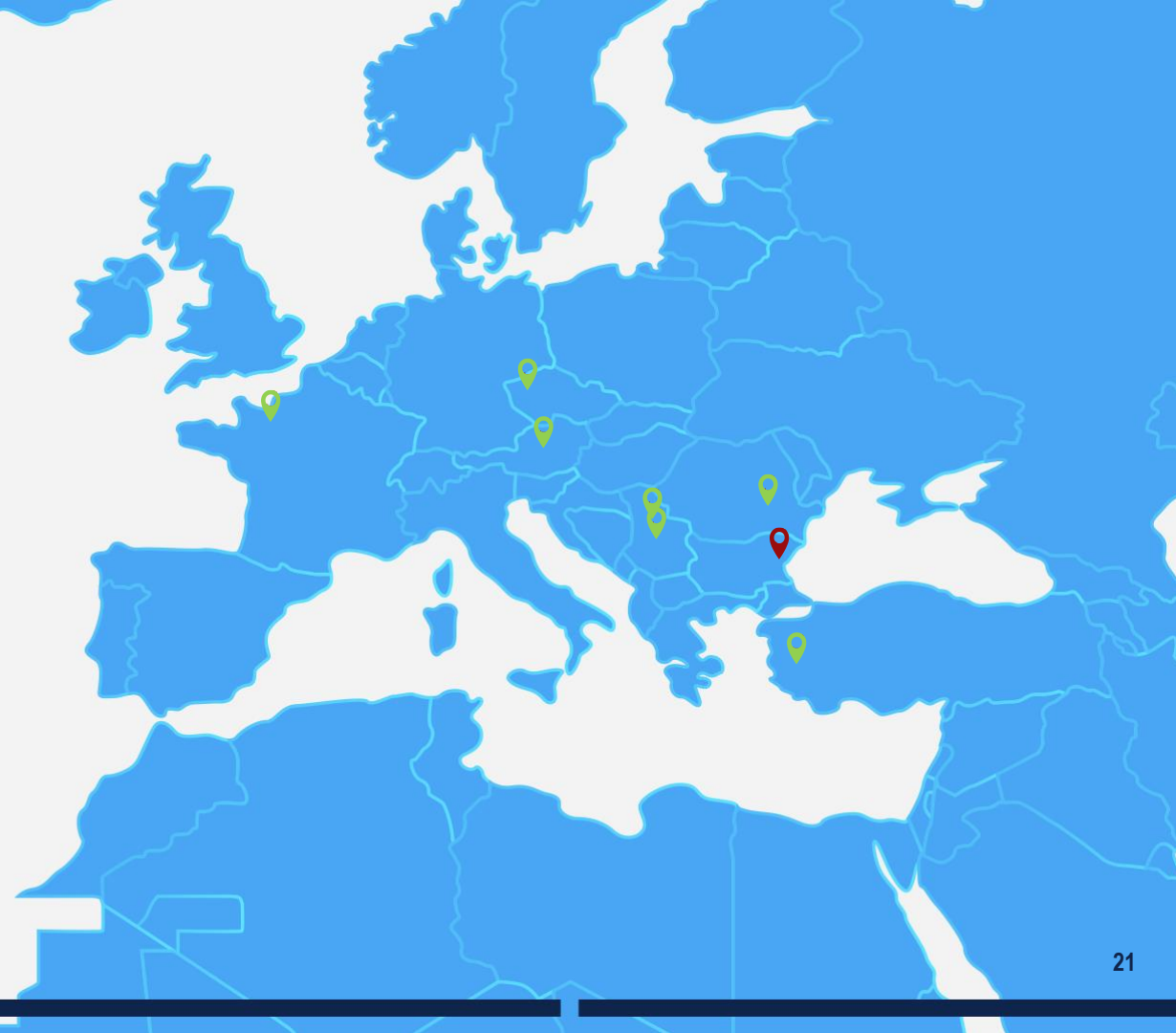
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T H A N K Y O U

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