WHO WE ARE
WHO WE ARE

- Leading aluminium extrusion company and architectural systems producer in the Balkans
- Fully integrated designer and producer of aluminium systems
- More than 45 years of experience
- 600+ employees
- 2 production plants
- Annual capacity exceeding 35 000 tons
- Worldwide exports
WHERE WE ARE

Production Plants:
- Magoula Greece
- Sofia - Bulgaria

Subsidiaries:
- Albania
- Romania
- Serbia
- Ukraine

Representative offices:
- Cyprus
- Former Yugoslav Republic of Macedonia
- France
- Germany
- Kosovo
- Montenegro
- Turkey
- United Kingdom
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1960’s</td>
<td>Founded as a part of VIOHALCO Group</td>
</tr>
<tr>
<td>1973</td>
<td>ETEM is awarded first high rise building in Athens (106 m)</td>
</tr>
<tr>
<td>1988</td>
<td>European acknowledgement – “LA DEFENSE PROJECT” in Paris</td>
</tr>
<tr>
<td>1994</td>
<td>Listed in Athens stock exchange</td>
</tr>
<tr>
<td>2003</td>
<td>First automotive project with BMW</td>
</tr>
<tr>
<td>2004 - 2011</td>
<td>International expansion - subsidiary companies (Serbia, Romania, Ukraine, Albania)</td>
</tr>
<tr>
<td>2007</td>
<td>ETEM innovates with Ventilated Façade Systems (VFS)</td>
</tr>
<tr>
<td>2010</td>
<td>Implementation of the bespoke E99 façade for the highest office building in the Balkans - Capital Fort, Sofia</td>
</tr>
<tr>
<td>2013</td>
<td>Crash relevant profiles certification for the automotive industry</td>
</tr>
<tr>
<td>2013</td>
<td>ETEM is awarded new contracts for developing projects with major automotive manufacturers (Daimler, Jaguar, Land Rover, BMW etc.)</td>
</tr>
</tbody>
</table>
## Extrusion Press Force Billet Diameter Alloys Cooling Capability Maximum Extrusion Length Production Capability

<table>
<thead>
<tr>
<th>Extrusion Press</th>
<th>Force</th>
<th>Billet Diameter</th>
<th>Alloys</th>
<th>Cooling Capability</th>
<th>Maximum Extrusion Length</th>
<th>Production Capability</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMS</td>
<td>27MN</td>
<td>8”, 9”</td>
<td>1000, 6082, 6005, 6063, 6060</td>
<td>Air + Water</td>
<td>14mt</td>
<td>9000 tn/yr</td>
</tr>
<tr>
<td>Farrel</td>
<td>25MN</td>
<td>9”</td>
<td>6082, 6005, 6063, 6060</td>
<td>Air + Water</td>
<td>14mt</td>
<td>8000 tn/yr</td>
</tr>
<tr>
<td>SMS</td>
<td>24MN</td>
<td>8”</td>
<td>6063, 6060</td>
<td>Air</td>
<td>9.6mt</td>
<td>7500 tn/yr</td>
</tr>
<tr>
<td>Breda</td>
<td>18MN</td>
<td>7”</td>
<td>1000, 6063, 6060</td>
<td>Air</td>
<td>7mt</td>
<td>6500 tn/yr</td>
</tr>
<tr>
<td>Farrel</td>
<td>15MN</td>
<td>7”</td>
<td>6063, 6060</td>
<td>Air</td>
<td>7mt</td>
<td>4000 tn/yr</td>
</tr>
<tr>
<td>Type</td>
<td>Description</td>
<td>Technical specifications</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Powder coating | Environmentally friendly chrome free (Titanium based) process, which allows:  | $L_{\text{min}} = 3000 \text{ mm}$  
|              | * wide range of colours;                                                     | $L_{\text{max}} = 7000 \text{ mm}$  
|              | * aluminium surface protection;                                              |                          
|              | * good wear and low friction coefficient;                                    |                          
|              | * applying of protective foils on coated surfaces                           |                          |
| Decoration   | Process of surface treatment for wood imitation                               | $L_{\min} = 4800 \text{ mm}$  
|              |                                                                             | $L_{2} = 5400 \text{ mm}$  
|              |                                                                             | $L_{3} = 6000 \text{ mm}$  |
| Anodizing    | Used for corrosion protection, electrical isolation, improving of surface    | $L_{\max} = 7500 \text{ mm}$  
|              | wearing, good decorative aspect and preparation of surface for varnish      |                          
|              | coating                                                                     |                          |
ADDITIONAL PROCESSING

1. Precision cutting
   → 4 SAWS (CNC)

2. Punching
   → 4 eccentric presses
   → 2 hydraulic presses
   → 4 pneumatic presses
   → 2 punching machines

3. CNC machining

4. Bending - minimum radius of 450-600 mm (depending on the profile cross section)

5. Thermal break assembly lines

6. Semi-finished and finished parts assembly
   - screw mounting, pressing, sticking and labeling
PORTFOLIO
PORTFOLIO

- Architectural Systems
- Engineering Solutions
- Aluminium for automotive industry
- Aluminium extrusion (industrial profiles)
ARCHITECTURAL SYSTEMS
Our systems:

- Are defined as modules of a building shell designed to improve the living conditions of the inhabitants
- Cover every commercial & residential application
- Integrate in structures following modern architectural requirements
- Are designed under energy conservation & environmental sustainability principles
- Comply to the highest standards and technical certifications
ETEM can provide the customer with any solution for:

- **Façades**
  - Unitized façade systems
  - Curtain wall systems
  - Ventilated Façade Systems
  - Sun shading Systems

- **Doors and Windows (aluminium and PVC)**
  - Opening doors and windows (with or without thermal break)
  - Sliding doors and windows (with or without thermal break)

- **Rolling Shutters**

- **Partition Walls**

- **Main Entrances**

- **Supplementary Products**
  - Insect screens
  - Panels
  - Railing systems
ENGINEERING SOLUTIONS
ENGINEERING SOLUTIONS

Partner in every project...

- Communicate and take part in the interdisciplinary team of architects/developers/constructors/investors to sustain the holistic approach
- Analyze requirements & specifications
- Perform engineering to offer the best solution
- Develop & certify custom made solutions according to the project
- Assist in the bidding process in offering complete solution
- Involved throughout the design & construction phase of the project to ensure the end result
Automotive

- TIER2 and TIER1 supplier for major European car manufacturers - BMW, Audi, Lamborghini, Daimler, Jaguar, Land Rover etc.
- Certified to produce aluminium profiles for Crash Management Systems
- Continuous investments in production facilities, high precision machining and tooling equipment
- Value added products - aluminium profiles and parts - semi-finished and ready to install products

Transportation

- Rail
- Truck bodies and trailers
- Bicycle rims etc.
Our philosophy is:

- one stop shop for aluminium extruded profiles
- complete process from profile engineering to production / surface treatment & special tooling & machining / to packaging & transportation
- continuous investment in value added products and processes
- variety of end applications:
  - automotive industry
  - construction industry
  - shipbuilding
  - transportation
  - heating, ventilation and air conditioning
  - solar collectors and photovoltaic panels etc.
The modern equipment allows ETEM to develop high-technology and precise profiles based on customer’s drawings with the following characteristics:

- **Length**: 3 m to 14 m
- **Min. thickness of the wall**: 0.85 mm
- **Max. dimensions of the section**
  - Square tubes: 150 mm × 150 mm
  - Rectangular tubes: 300 mm × 50 mm
  - Round tubes: \( \phi 200 \) mm
  - Orthogonal bars: 70 mm × 70 mm
  - Round bars: \( \phi 80 \) mm
- **Max. weight**: 15 kg/m
QUALITY & CERTIFICATES
QUALITY & CERTIFICATES

- **ISO / TS 16949:2009**
  Quality Management System – particular requirements for the application of ISO 9001:2008 for automobile production and relevant service part organizations.

- **ISO 9001:2008**
  Quality Management System

- **ISO 14001:2004**
  Environmental Management System

- **BS OHSAS 18001:2007**
  Occupational Health and Safety Management System

- **EN 15088:2005**
  Factory production control

- **QUALICOAT**
  Quality sign for paint, lacquer and powder coatings on aluminium for architectural application