



**Spolufinancováno Evropskou unií**

Systém pro obchodování s emisemi  
Modernizační fond

Ministerstvo životního prostředí



STÁTNÍ FOND  
ŽIVOTNÍHO PROSTŘEDÍ  
ČESKÉ REPUBLIKY

AL INVEST Břidličná, a.s.

Bruntálská 167

793 51 Břidličná



Annex 3 of Tender Documentation – Technical specification

## **ALFAGEN – DRAINBINS FOR MOLTEN ALUMINIUM**

### Procurement procedure

An open above-threshold public contract for the supply in compliance with S. 56 of Act No. 134/2016 Coll., „Public Procurement Act“, as amended, (hereinafter also as the "**Act**" or "**PPA**")

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## 1 INTRODUCTION

Company AL INVEST Břidličná, a.s. ("AIB") with its 800 local employees is a leading European producer of packaging materials and rolled semi-finished aluminium products. Its origins date back to the year 1852 when the construction of the flax processing company was launched. The company is a member of the European Aluminium Foil Association (EAFA), Packaging Institute SYBA, Southern Bohemian Chamber of Commerce and Czech Testing Laboratories Association.

AIB's state-of-the-art research and development unit and certificates of ISO 9001:2008, ISO/TS 16949:2009, BRC/IOP, AD 2000 WO, EN 15088 guarantee the quality and reliability of its products. The company also holds various packaging and automotive certificates which are relevant for the subject of the present project.

AIB belongs to MTX Group a.s. – an industrial-business holding company based in Prague which mainly focuses on management, financing and coordination of manufacturing and trading member companies. In the Central European area, the company has its agencies in the Czech Republic, Germany, Austria and Poland. It primarily trades in metallurgical semi-finished products, production and sale of fuel coke, aluminium and copper products.

MTX Group a. s. is a joint stock company incorporated in the register of companies kept by the Municipal Court in Prague, Czech Republic, Section B, File 10649, as of 31st March 2006. The company has its registered office at Štěpánská 621/34, 110 00 Prague 1.

MTX Group a.s. was founded by Petr Otava Sr. In 2015 he was succeeded by his son – Petr Otava Jr. MTX Group expands remarkably to abroad, its activities affects a number of industrial branches. It manufactures parts for the automotive industry, and is involved in metallurgy and food processing as well.

## 2 PLACE OF BUSINESS, PROJECT SITE

The project will be implemented at Bruntálská 167, 793 51 Břidličná, which is the registered office of AIB. The whole affected area is a property of AL INVEST Břidličná a.s. The project site will be a place of the overall coordination and management of the project, primarily the installation of new manufacturing facilities and constructions.

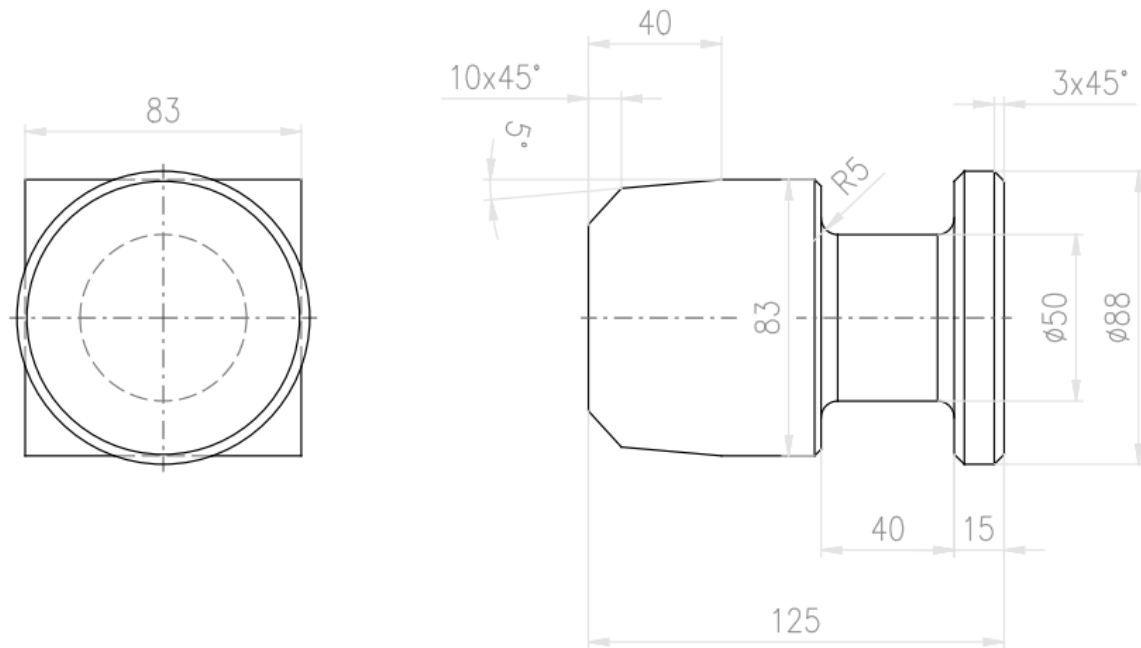
The project is planned to take place in the regions defined by the Czech government resolution No. 321/2021. The city of Břidličná lies in the Moravian-Silesian Region which is treated as economically problematic region in the resolution. The Moravian-Silesian Region is one of three coal-mining regions in the Czech Republic, as registered in the so-called "EU Coal Platform".

## 3 SCOPE OF THE WORK

The purpose of this document is to specify required drain bins (containers for liquid aluminium) for project Alfagen. The defined parameters are binding for the deliveries within this public procurement. The submitted bids must meet these technical parameters.

The delivery concerns several types of drain bins, each type in the quantities specified below. Each type has to be designed for easy manipulation by forklift and overhead crane. The design of each drain bin has to allow rotation of drain bin. Purpose of rotation of the drain bin is to discharge solidified metal from the drain bin.

All drain bins has to be equipped by pins for easy manipulation with drain bin. Each drain bin have four pins (in all corners) See below example of pin.



Picture 1 - Example of pin – final design will be agreed during engineering

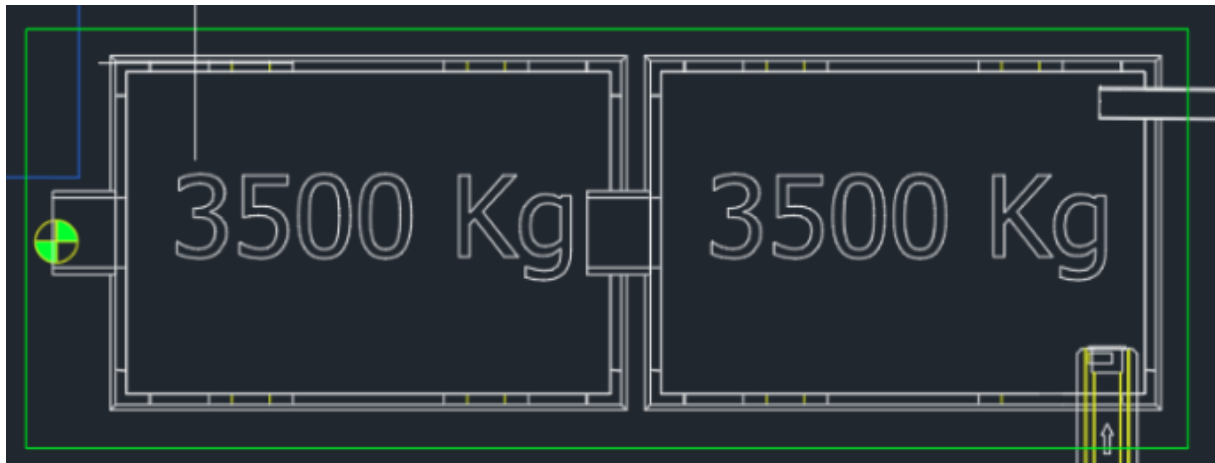
• Density of liquid aluminium	2,3	g/cm <sup>3</sup>
• Material of the drain bins:	high-grade cast steel	
• Min. Rm	485	MPa
• Max. weight of full drain bin	6 000	kg

### 3.1 Type 1 – Drain bin for 3,5 ton of liquid aluminium

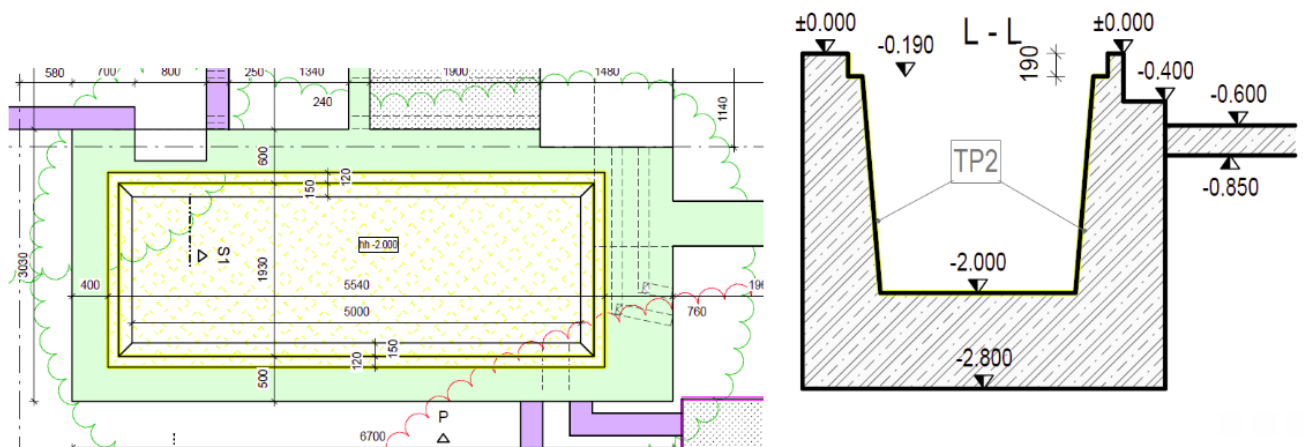
These drain bins will be located under the level zero in the pit and will be covered, therefore is very important to not exceed maximal dimensions of the bin. In one pit will be located two drain bins. One bin will be placed little higher than second bin, so in case the first bin is full, the liquid aluminium will overflow to the second bin. Platform for the bin is scope of the Seller.

• No. Of bins	16	Pcs
• No. Of platforms	4	Pcs
• Capacity of drain bin	3 500	kg
• Overflow of Al from bin	YES (on shorter side)	

- Max. length of bin 2 200 mm
- Max. width of bin 1 500 mm
- Max. height of bin 800 mm



Picture 2 – Example of 3,5 ton drain bin

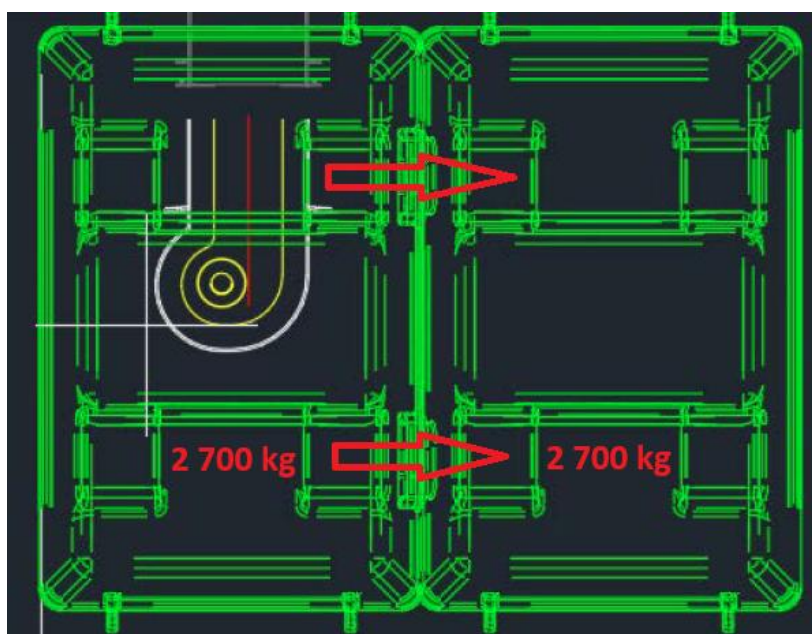


Picture 3 – Design of pit for placing type 1 drain bins (two pcs. as in the picture 2)

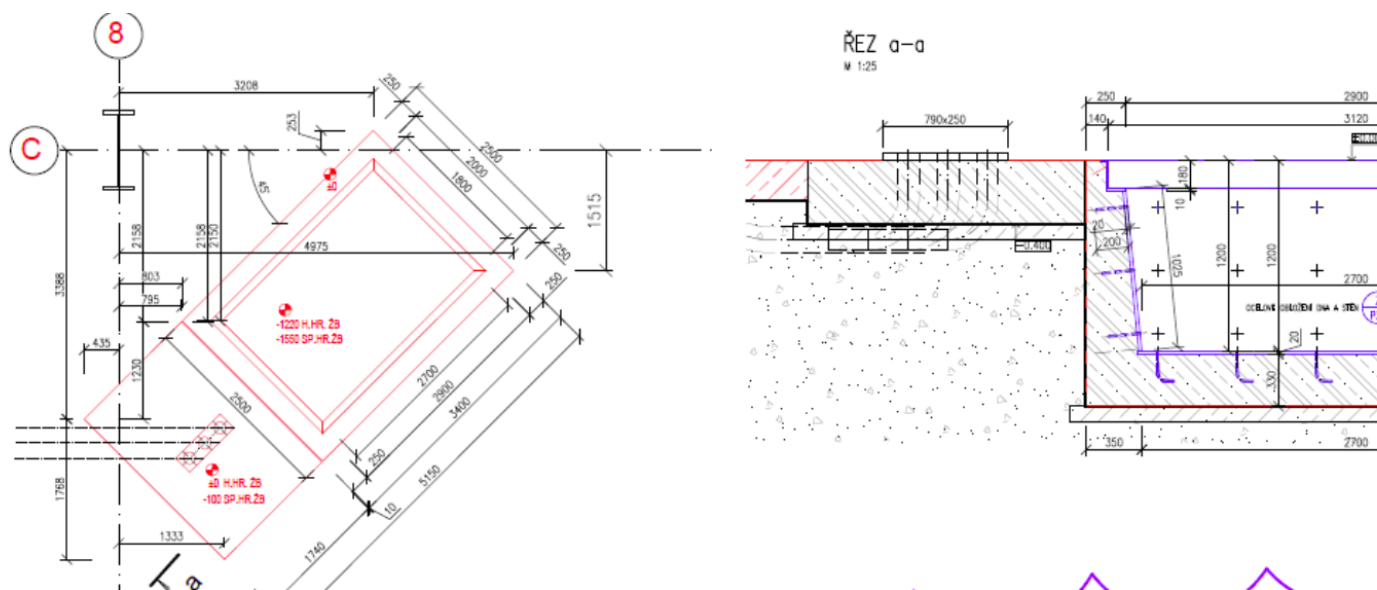
### 3.2 Type 2 – Drain bin for 2,7 t of liquid aluminium

These drain bins will be located on the floor level and also under the zero in the pit and will be covered, therefore it is very important to not exceed maximal dimensions of the bin. In one pit will be located one drain bin. In case the bins are not placed in the pit we will use two drain bins – one drain bin will be placed little higher than second bin, so in case the first bin is full, the liquid aluminium will overflow to the second bin. Platform for the bin is NOT scope of the Seller.

• No. Of bins	20	Pcs
• No. Of platforms	0	Pcs
• Capacity of drain bin	2 700	kg
• Overflow of Al from bin	YES (on longer side)	
• Max. length of bin	2 400	mm
• Max. width of bin	1 500	mm
• Max. height of bin	750	mm



Picture 4 – Example of 2,7 drain bin

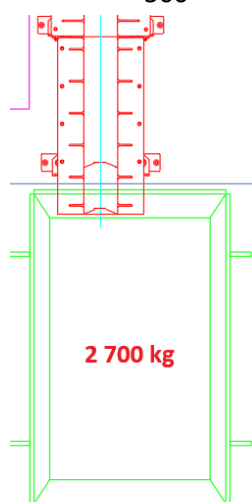


Picture 5 - Design of pit for placing type 2 drain bins (one pcs at one moment)

### 3.3 Type 3 – Drain bin for 2,7 t of liquid aluminium

These drain bins will be located on floor level and will not be placed in the pit. So the dimensions here are little bit flexible. In this case the most important dimension is the height, the height of the drain bin must not exceed 500 mm. Overflow is not necessary in this case.

• No. Of bins	3	Pcs
• No. Of platforms	0	Pcs
• Capacity of drain bin	2 700	kg
• Overflow of Al from bin	NO	
• Max. length of bin	2 600	mm
• Max. width of bin	1 600	mm
• Max. height of bin	500	mm

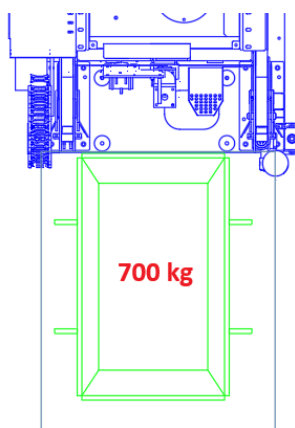


Picture 6 – Example of 2,7 t drain bin

### 3.4 Type 4 – Drain bin for 0,7 t of liquid aluminium

These drain bins will be located on floor level and will not be placed in the pit. So the dimensions here are little bit flexible. In this case the most important dimension is the height, the height of the drain bein must not exceed 500 mm. Overflow is not necessary in this case.

• No. Of bins	5	Pcs
• No. Of platforms	0	Pcs
• Capacity of drain bin	700	kg
• Overflow of Al from bin	NO	
• Max. length of bin	1 500	mm
• Max. width of bin	1 000	mm
• Max. height of bin	500	mm



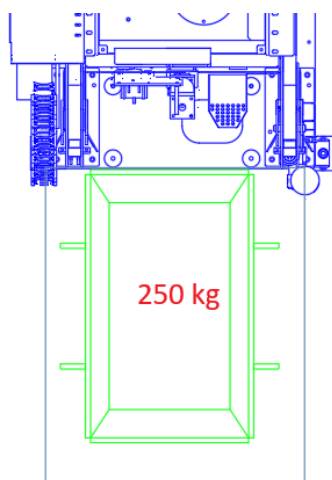
Picture 7 – Example of 0,7 ton drain bin

### 3.5 Type 5 – Drain bin for 0,25 t of liquid aluminium

These drain bins will be located on floor level and will not be placed in the pit. So the dimensions here are little bit flexible. In this case the most important dimension is the height, the height of the drain bein must not exceed 495 mm. Overflow is not necessary in this case.

• No. Of bins	8	Pcs
• No. Of platforms	0	Pcs
• Capacity of drain bin	250	kg
• Overflow of Al from bin	NO	
• Max. length of bin	880	mm
• Max. width of bin	580	mm
• Max. height of bin	495	mm





*Picture 8 – Example of 0,25 ton drain bin*