



Project N°

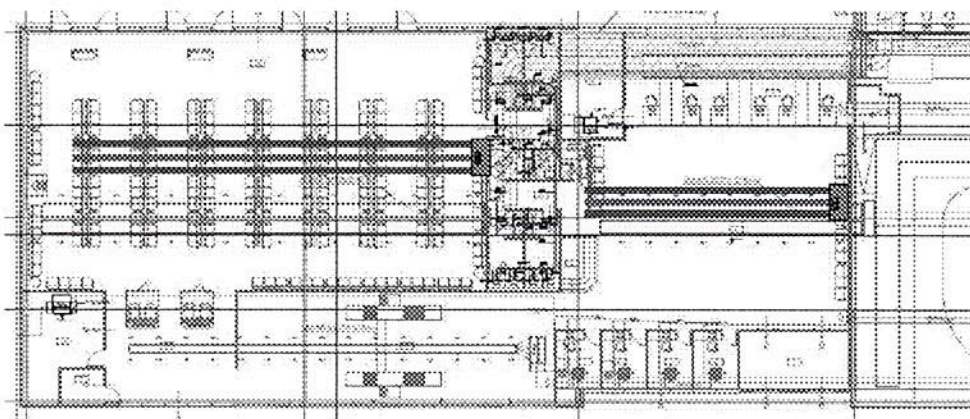
Consultant ARTERMO doo

Vladimir Stijović

MONFE 011

E-mail address: stijovic.v@artermo.me

Telephone number: +382 20 683 979



Airport Tivat - Montenegro

New terminal



DATE	OFFER NUMBER	REVISION NUMBER	SINTRA'S TECHNICAL REFERENCE
08-06-18	MONFE 011	0	Stefano Pinna

The technical solution adopted in this project is NOT IN FREE COMPETITION (*)

(*) This technical solution has been conceived by SINTRA following the ASSISTED DESIGN criteria. SINTRA reserves itself the intellectual property rights on the proposed technical solution and of those deriving from it. This technical solution is strictly confidential, and shall not be disclosed without SINTRA's prior authorization.



PERFORMANCES ANALYSIS

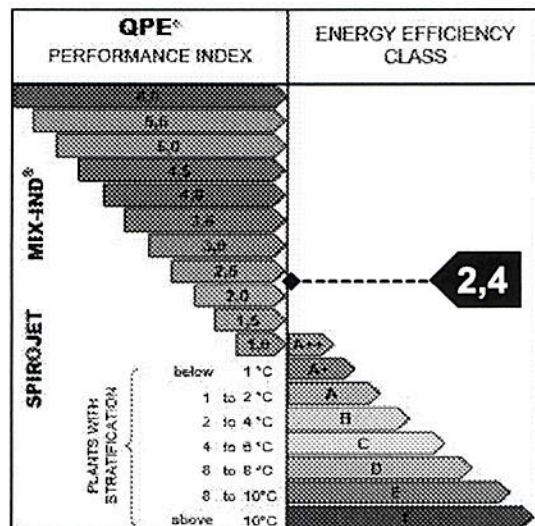
Airport Tivat - Montenegro

Date: 08/05/2018

New terminal

Project MONFE 011

QPE® Index		Maximum performances for air diffusion (& SPIROJET) traditional plants
SINTRA's additional value		
0,1 + 0,5	0,5	X
0,1 + 0,5	0,2	X
		Homogeneity of both vertical and horizontal temperatures ($\pm 1^\circ\text{C}$)
		Control of the residual air speed in the occupied area
		Performances for the MIX-IND® base technology
0,2	0,2	X
0,2	0,2	X
0,1 + 0,5		
		Energy savings thanks to total destratification
		Energy savings thanks to the recovery of all internal heat gains
		Optimisation of the plant's air flows, thanks to the ASSITED DESIGN free service, which allows:
		- performance guarantee
		- reduced overall plant costs
		- less ducts, less encumbrance and less weight on the structures
		- less energy consumption of the fans
0,3	0,3	X
		Total elimination of the return air duct network, without any performance loss, which allows:
		- reduced overall initial costs for the whole plant
		- a single return air grid
		- energy savings thanks to the reduction of pressure drops
		- reduction of maintenance costs related to the cleaning of the ducts
		- reduced encumbrances and less weight on the structures
		Performances for the NEW GENERATION plants with MIX-IND® patented* technology
0,2	0,2	X
0,2		
0,3		
0,2 + 0,8	0,4	X
0,1 + 0,3		
0,1 + 1,2		
0,2 + 0,8	0,4	X
0,2 + 0,8		
0,2 + 0,8		
0,2 + 1,0		
2,4	QPE® (Quality Performance Efficiency) performance index	



Patented* : Patented, patent pending or SINTRA's know-how

THIS TECHNICAL SOLUTION IS NOT IN FREE COMPETITION

Uff. tec.

TECHNICAL DATA FORM

Consultant:	ARTERMO doo	Project N°	MONFE 011
Contact:	Vladimir Stijović	Date	08-06-18
Customer:	Airport Tivat - Montenegro	Finishing	SPIROPACK™
Type of activity carried out on the premises :	New terminal	Our Ref.	CM
		Type of Pulser®	C Zn
		Color	Galvanized Steel

DESCRIPTION	measure	PULSERS® IDENTIFICATION NUMBER					
		1	2	3	4	5	6
QUANTITY	n°	1	1	1	1	1	1
LENGTH of each Pulser®	m	22,0	22,0	22,0	12,0	12,0	12,0
TOTAL AIR FLOW of each Pulser®	m³/h	3.300	6.400	3.300	1.800	5.400	1.800
HEIGHT of the Pulser® from the floor	m	4,0	4,0	4,0	4,0	4,0	4,0
INITIAL DIAMETER	mm	600	600	600	550	550	550

DETAILED TECHNICAL DATA (Adjustable by SINTRA during the executive calculation phase)

FINAL DIAMETER	mm	600	600	600	550	550	550
Air blow	on right side	m	7,0	1,0	0,0	7,0	1,0
	on left side	m	0,0	1,0	7,0	0,0	7,0
Air flow	on right side	m³/h	3.300	3.200	0	1.800	2.700
	on left side	m³/h	0	3.200	3.300	0	2.700
Angle of air blow	on right side	°	74°	135°	-	74°	135°
	on left side	°	-	135°	74°	-	135°
Length of perforated area	on right side	m	22,0	22,0	0,0	12,0	12,0
	on left side	m	0,0	22,0	22,0	0,0	12,0
Partial circulating air vol.:	on right side	n°	5,4	36,4	-	5,4	56,3
	on left side	n°	-	36,4	5,4	-	56,3
Air speed at the beginning of the Pulser®	m/sec	3,2	6,3	3,2	2,1	6,3	2,1
Air flow per linear meter	m³/h	150	291	150	150	450	150
Risk of air drafts (>1,2)	coef.	1,18	1,18	1,18	1,18	1,18	1,18
Risk of stratification (<0,8)							

KIND OF PERFORATION		APPLICATION		INSTALLATION'S CHARACTERISTICS			
<input checked="" type="checkbox"/> comfort		<input checked="" type="checkbox"/> heating		WINTER: room temperature			
<input type="checkbox"/> destratification		<input type="checkbox"/> conditioning		MAX. supply air temperature			
<input type="checkbox"/> filling		<input type="checkbox"/> ventilation		MIN. supply air temperature			
<input type="checkbox"/> displacement		<input type="checkbox"/> adiabatic		SUMMER: room temperature			
				MIN. supply air temperature			
Av. Static Pressure	Parameters	Sensitive power		Total supply air temperature			
Standard	Boost	W/m²	W/m³	Surface and Volume of the room		Circulating air volumes (m³/h / m²)	
180 Pa	250 Pa	85,8	20,4	610		2.562	
		122,6	29,2			8,6	

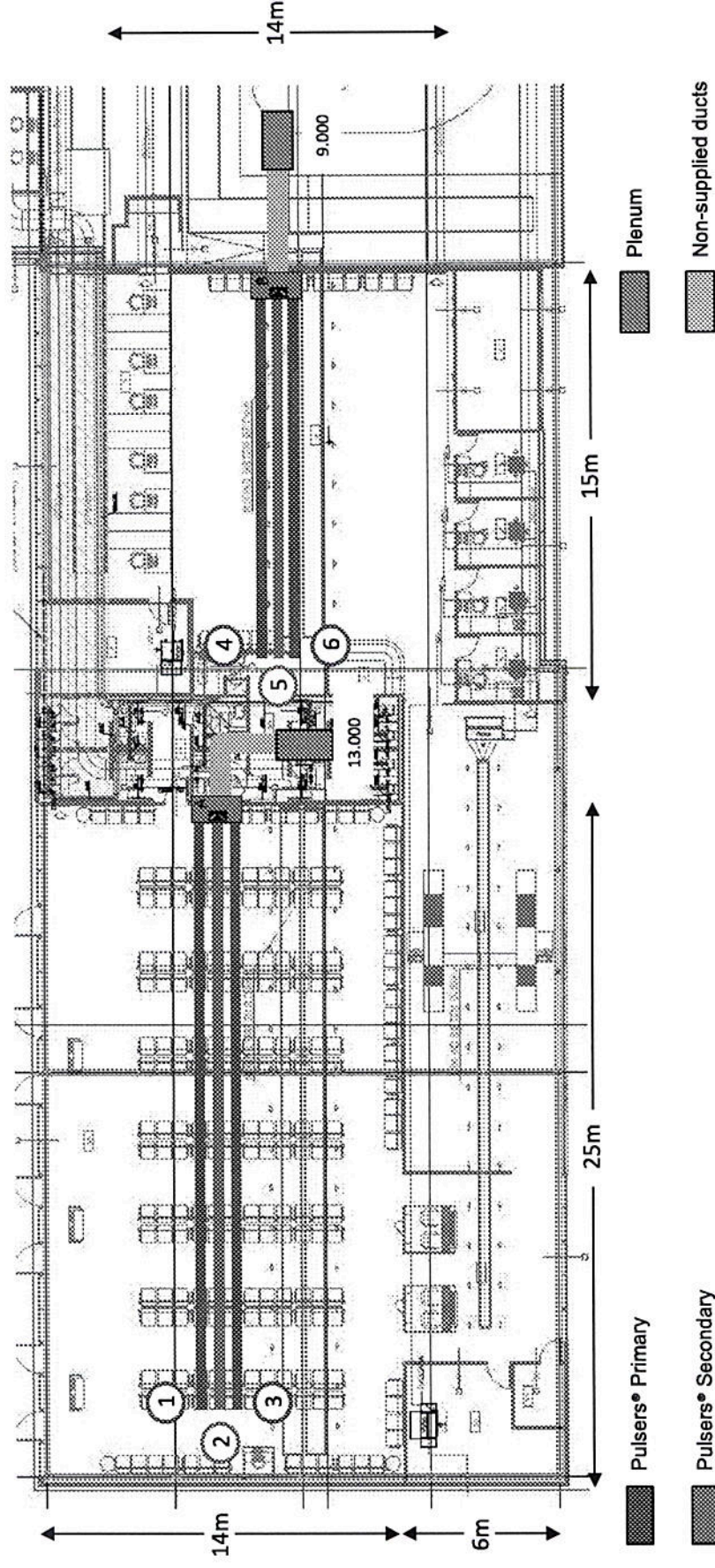
APPLIED QPE TECHNOLOGIES				ATTENTION	
<input type="checkbox"/> VARIPLENUM®	<input type="checkbox"/> PIGRECO	<div>- Slight risk of air draft with the maximum air flow</div>			
<input checked="" type="checkbox"/> TWIN	<input checked="" type="checkbox"/> VARIBOOST™				
<input type="checkbox"/> VARISTEP®	<input checked="" type="checkbox"/> VARITRAP®				
<input type="checkbox"/> SPLIT	<input type="checkbox"/> CONICAL				
<input type="checkbox"/> VARIAMIX®	<input type="checkbox"/> ICE COLD AIR				
<input checked="" type="checkbox"/> VARIABLE COMFORT	<input type="checkbox"/> BYPASS				
<input type="checkbox"/> extreme FREE-COOLING	<input type="checkbox"/> VARIPULSE®				
<input type="checkbox"/> VARITOP	<input type="checkbox"/> MODULAIR				
Date with approval signature and stamp		QPE* Index		<div>- (*) QPE INDEX = 1 = maximum traditional performances</div>	
		2,4			

- (*) QPE INDEX = 1 = maximum traditional performances

Project no. MONFE 011

ARTERMO doo
New terminal

date: 8/6/18

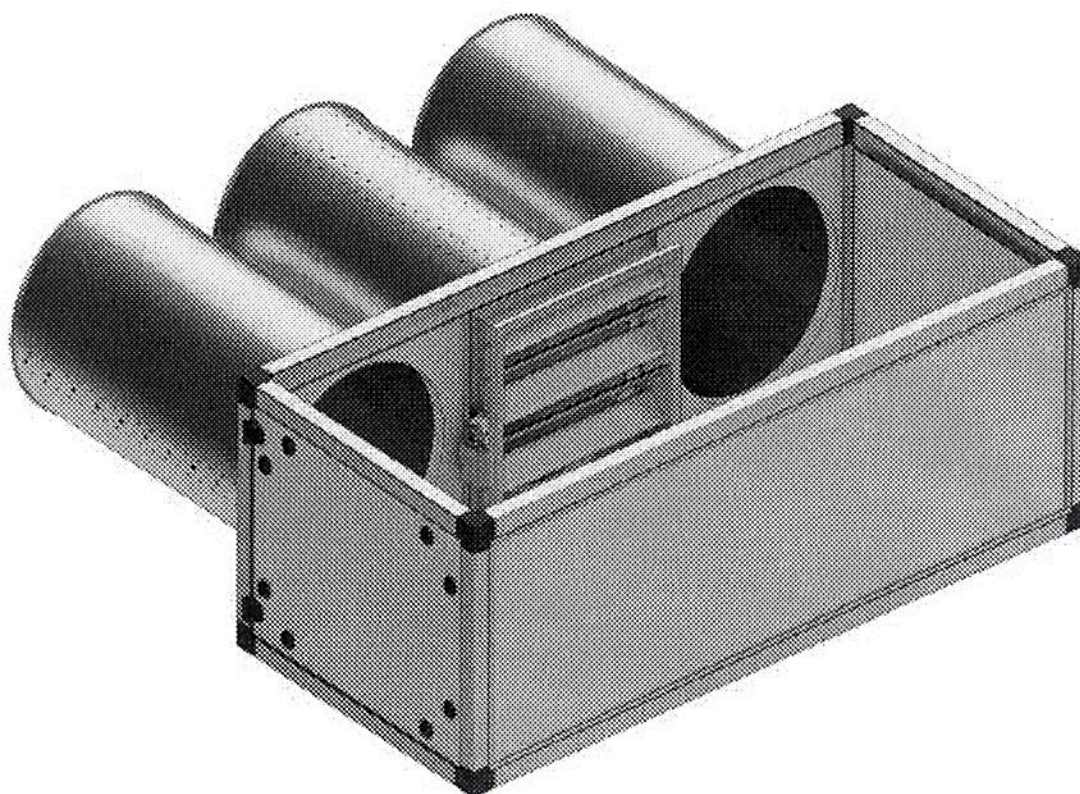


PULSERS® realized open, to be riveted on site according to the green SPIROPACK™ technology

NOTE: This technical solution has been conceived by SINTRA according to the ASSISTED DESIGN criteria
SINTRA reserves itself the intellectual property of the proposed technical solution and of those deriving from it

CONNECTING PLENUM WITH SERVOCONTROLLED DAMPERS

Consultant:	ARTERMO doo	Project N°	<i>MONFE 011</i>
Contact:	Vladimir Stijović	Date :	08-06-18
Customer:	Airport Tivat - Montenegro	Finishing STANDARD	PLENUM A
Kind of activity carried out in the premises New terminal		Our Ref. CM	

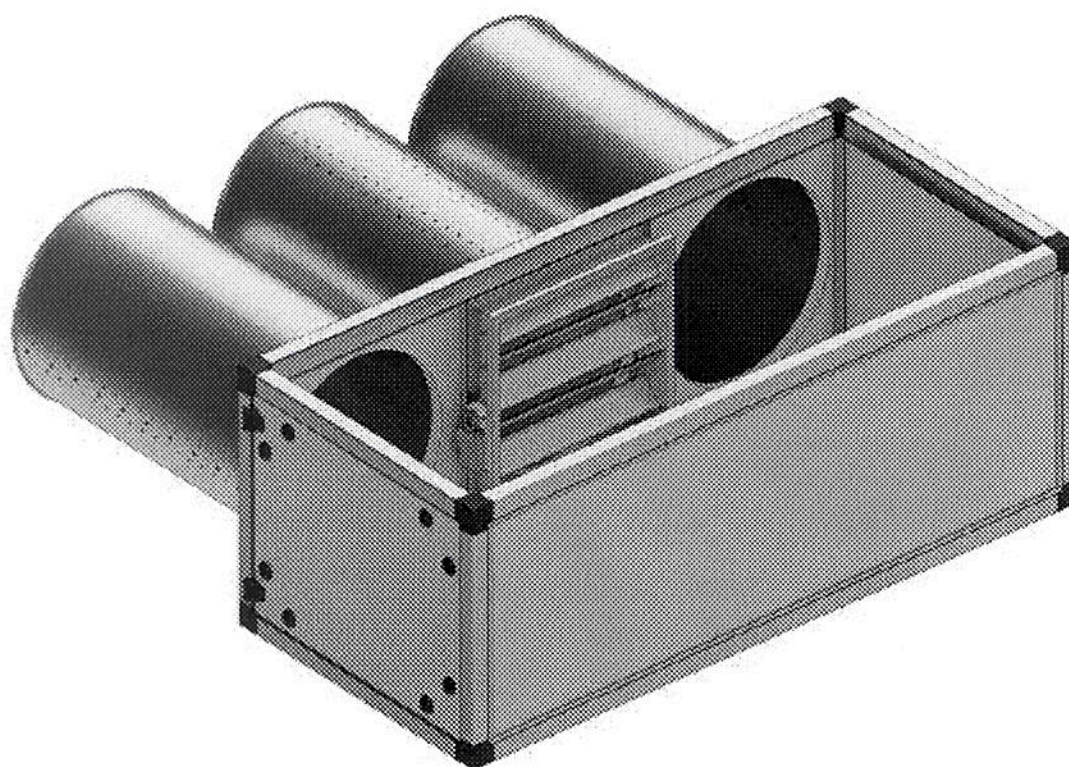


Patented technology

Approximate dimensions* :	Plenum	Dampers for each plenum	Servomotors for each plenum	Guiding vanes
B x P x H (mm) (*to be confirmed during the executive phase)	N°	N°	N°	
2340 x 800 x 790	1	1	1	NOT FORESEEN

CONNECTING PLENUM WITH SERVOCONTROLLED DAMPERS

Consultant:	ARTERMO doo	Project N°	<i>MONFE 011</i>
Contact:	Vladimir Stijović	Date :	08-06-18
Customer:	Airport Tivat - Montenegro	Finishing STANDARD	PLENUM B
Kind of activity carried out in the premises New terminal		Our Ref. CM	

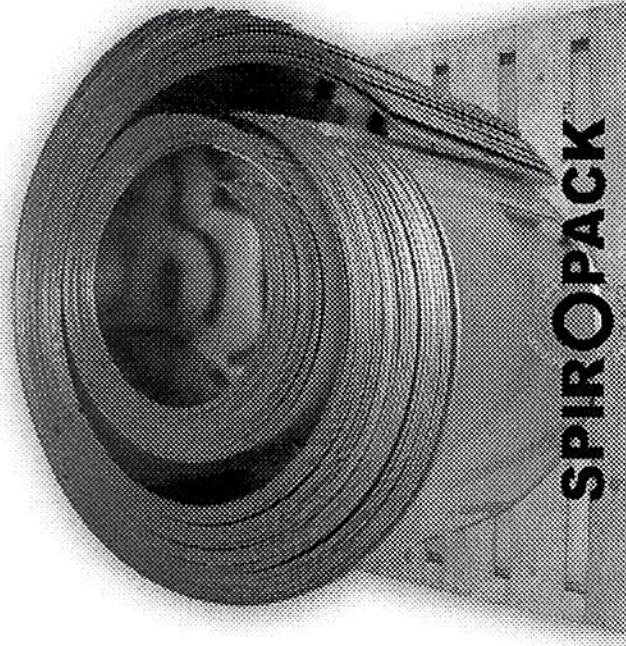


Patented technology

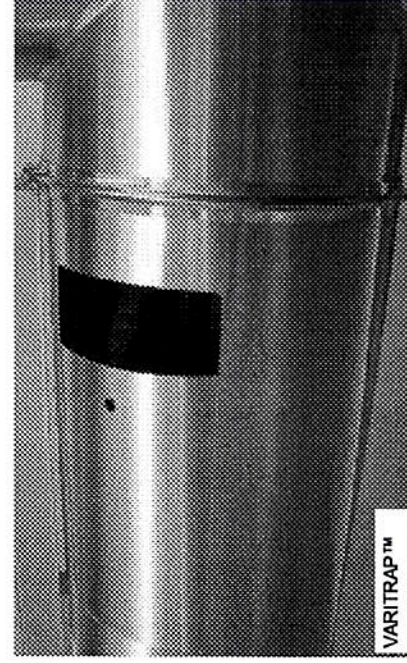
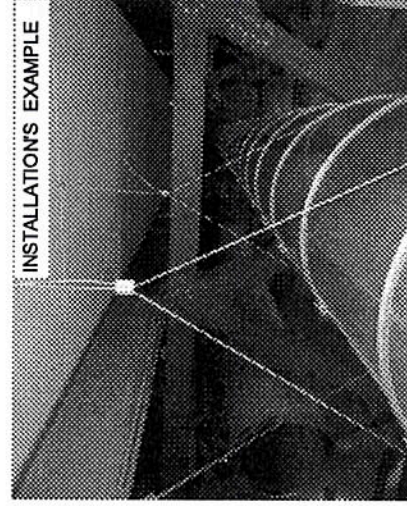
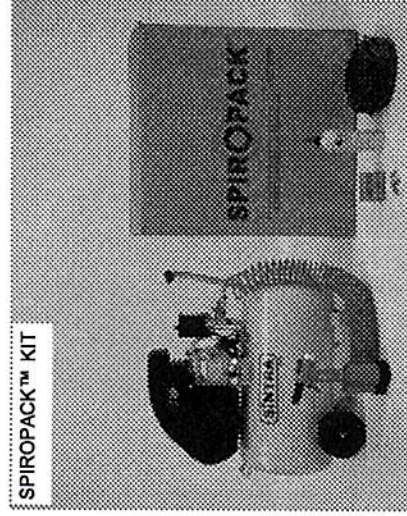
Approximate dimensions* :	Plenum	Dampers for each plenum	Servomotors for each plenum	Guiding vanes
B x P x H (mm) (*to be confirmed during the executive phase)	N°	N°	N°	
2340 x 800 x 790	1	1	1	NOT FORESEEN

Project no. MONFE 011

Consultant:		ARTERMO doo						Date		08-06-18																																			
Mr:		Vladimir Stijović						Order n°:																																					
Customer:		Airport Tivat - Montenegro						Finishing		Type of Pulser*																																			
								SPIROPACK™		C Zn																																			
		Type of activity carried out in the premises						Our Ref.		Color																																			
		New terminal						CM		Galvanized Steel																																			
DESCRIPTION	measure	PULSERS* IDENTIFICATION NUMBER							TOTAL																																				
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LENGTH of each Pulser®	m	22,0	22,0	22,0	12,0	12,0	12,0		102																																				
TOTAL AIR FLOW of each Pulser®	m³/h	3.300	6.400	3.300	1.800	5.400	1.800																																						
Initial DIAMETER	mm	600	600	600	550	550	550																																						
TOTAL AMOUNT OF THE SUPPLY €									Metallic galvanized steel PULSERS*																																				
Detail of included charges					NET EXTRA CHARGES for different materials*																																								
<ul style="list-style-type: none"> - Pulser® with a length equal to or minor than 15m - Pulser® with a length equal to or minor than 5m - Bends with an angle between 0° and 30° - Bends with an angle between 30° and 60° - Bends with an angle between 60° and 90° - Tee junction with a circular end - Tee junction with a rectangular end - Tee junction with a 30° bent end - Tee junction with a 45° bent end - Tee junction with a 60° bent end - Eccentric reductions - Concentric reductions - Transformation piece square/round - Circular damper - Extra gasket - VARITRAP® technology - VARIAMIX® technology - VARISTEP® technology - VARIPULSE® technology - VARIPLenum® technology - CONICO technology - TWIN™ technology - PIGRECO technology - VARIBOOST® technology - SPLIT technology 					<table border="1"> <thead> <tr> <th>Kind of material</th> <th>Code</th> <th>€</th> </tr> </thead> <tbody> <tr> <td>Pre-painted(ral 9010) semigloss GLOSS 15</td> <td>Cpv</td> <td>+ 2.457</td> </tr> <tr> <td>Stainless Steel 430</td> <td>C430</td> <td>+ 4.230</td> </tr> <tr> <td>Stainless Steel 304</td> <td>C304</td> <td>+ 7.062</td> </tr> <tr> <td>Stainless Steel 316</td> <td>C316</td> <td>+ 9.356</td> </tr> <tr> <td>Copper</td> <td>Ccu</td> <td>+ 14.384</td> </tr> <tr> <td>Aluminum</td> <td>Cal</td> <td>+ 2.812</td> </tr> <tr> <td>External painting</td> <td>Cep</td> <td>+ 4.547</td> </tr> <tr> <td>Galvanized steel+Magnesium</td> <td>Cmg</td> <td>+ 2.103</td> </tr> <tr> <td>Delivery</td> <td>Trs</td> <td></td> </tr> <tr> <td></td> <td>Province</td> <td></td> </tr> <tr> <td></td> <td>State</td> <td></td> </tr> </tbody> </table>					Kind of material	Code	€	Pre-painted(ral 9010) semigloss GLOSS 15	Cpv	+ 2.457	Stainless Steel 430	C430	+ 4.230	Stainless Steel 304	C304	+ 7.062	Stainless Steel 316	C316	+ 9.356	Copper	Ccu	+ 14.384	Aluminum	Cal	+ 2.812	External painting	Cep	+ 4.547	Galvanized steel+Magnesium	Cmg	+ 2.103	Delivery	Trs			Province			State	
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	State																																												
Note :					APPROVAL signature and stamp for order confirmation:																																								
					Date:																																								



- 1 Each PULSER® is realized with galvanized metal sheet S250GD quality and with the appropriate thickness
- 2 The modules which constitute the Pulsers® have a net length of 1 meter, and they are realized with an open circumference according to the green SPIROPACK™ technology which guarantees an appreciable reduction of the encumbrances and of the assembling times
- 3 The junction between the modules is made in the upper part with the overlapping of a deep drawing characterised by 9 holes for the insertion of the fixing rivets
- 4 The rivets that are used to close the modules are made of stainless steel
- 5 Each PULSER® is equipped with a special VARITRAP® device (patented) for the calibration of the residual speed at floor level and to guarantee that it can be inspected on the inside
- 6 The modules are coupled between them with an omega collar built in one piece
- 7 For the fixing at the roofing's structures, we suggest the use of steel cables of Gripple or similar kind, in a "V" shape as to avoid the pendulum effect, which will allow the rotation of the modules on their own axis, and it will have to comply to the rules in force.
- 8 For the external surface's protection, each Pulsers® will be equipped with a special adhesive protective film, which will be removed only after the set in motion of the plant (not more than 15 days after the delivery of the material on site).



ECONOMIC CONDITIONS

[illegible]

SUPPLYING TERMS

Material made available from: To be confirmed Terms of payment: To be confirmed Validity of the offer: 30 days Invoicing: Delivery: Ex-works Excluded: <ul style="list-style-type: none"> - transport - assembly - everything else not specified in this offer 	Notes:
<p align="center">COMMERCIAL AGENT</p> <hr/> Society KOTLARNICA Mr. PETROVIC PETAR Tel. +381694400500 e-mail: office@kotlearnica.rs	<p align="center"><i>Approval signature and stamp</i></p> <p>Date :</p>

GENERAL SALE CONDITIONS

All sales are done by SINTRA solely under the here-below reported conditions, so that each order that is accepted will be dispatched under these conditions, in stated dispensation of any other rule, exception for a written and signed agreement by SINTRA.

1. Prices indicated in the price list and in the offer are to be intended at net of taxes, levies and accessories and they refer to goods ex-work, packaging included.
2. In any time SINTRA reserves itself the right to modify such prices, before receiving confirmation of order by the customer, and this is in relation to changes of the production or raw materials supply costs.
3. The orders or commitments undertaken by our agents are valid solely upon SINTRA's acceptance or confirmation.
4. Information and data on the features and/or technical specifications of the products included in the price-lists, catalogues or similar documents, will be binding only if they were referred to in the sale contract. SINTRA reserves itself the right to make any modification on the products which, without changing their essential characteristics, should be deemed necessary or appropriate as well as substituting, modifying, cancelling the products listed on their technical documentation with no obligation of notice.
5. Any drawing or technical document relevant to SINTRA's products, even if given to the customer, will always be SINTRA's exclusive property, and it cannot be used by the customer, completely or partially copied or reproduced, transmitted or sent to a third party without a previous written authorization.
6. Exception for different agreements, delivery of the products has to be intended ex-works SINTRA.
7. Any risk or obligation weighing on the products sold, from the moment of the delivery, it will be at the buyer's charge as they are considered sold at SINTRA's headquarters. The buyer will have the possibility to ask by himself for any compensation, with no involvement of SINTRA, directly to the carrier. Products are sold net of insurance expenses for the risks relevant to the transportation, which remain at the buyer's charge unless there is a different agreement.
8. In case of damage at the packaging, it will be necessary to accept the goods conditionally and ask the carrier for compensation, considering that all the packagings are made by the rule before delivering them to the carrier.
9. The delivery term foreseen in the order or in the order confirmation can never be intended as essential, and SINTRA cannot be held responsible for damages consequent to the late or missing delivery of the products, both total and partial, or damages referred to any possible loss of profit or indirect costs.
10. Whenever delivery didn't occur within 60 days after the foreseen term as indicated in the order confirmation, the buyer will be in a position to ask for the cancellation of the contract, to be transmitted with a 15 days notice through letter sent with recorded delivery.
11. The maximum delivery term indicated in the previous article, after which the customer will be able to ask for the contract's cancellation, is not applicable and has to be considered suspended in case of fires, floodings, strikes, fission or fusion of the atom and other circumstances of force majeure.
12. The sale could be revoked and the contract rescinded by SINTRA when obstacles, unforeseen normative dispositions or excessive costs (art. 1467 and 1468 c.c.) will make the execution impossible or economically not convenient. In this case no right of any kind could be claimed by the buyer exception for the refund of a sum equivalent to what already anticipated, sum to be considered in any case unprofitable and on which no interests or no currency revaluation can be applied.
13. Payments will have to be made out to SINTRA address in the terms and in the way specifically foreseen in the offer.
14. The order's signature has the authorization value for drafts where it is not differently specified.
15. All the supplies not expressly challenged following the legal conditions within 8 days from their delivery are meant as entirely accepted.
16. According to the art. 1462 c.c. the buyer cannot, in any case, refuse or delay the payment of the due sum also with faults or defects found in the goods.
17. In case of sale, rent of the Company or succession, the cessionary, the tenant or the successor will succeed in the purchase, assuming the rights and obligations derived from the contract, also regarding the already accrued payments in favor of SINTRA, with the exception of the right of the latter to solve the same order within fifteen days from the notification of the occurred assignment or succession. The transferor remains in any case always jointly and severally liable with the assignee for payments of confirmed orders dated before the sale or succession.
18. On the amounts not paid within the agreed due date will automatically accrue the interests, in accordance with art. 4 of Decree No. 231/2002 to the extent provided for by art. 5. With regard to the compensation for any possible recovery costs, art. 6 of Decree No. 231/2002 will be applied.
19. SINTRA guarantees the absence of faults on the products resulting from processing and in the materials used for their production. This guarantee excludes each and all other liability of the seller (both contractual and extra-contractual) however arising from the sold products, limiting itself to the elimination of the malfunction, strictly excluding any expenses, any damages, any interest or any kind of compensation. In any case, the installations object of this sale and recognized as defective by SINTRA, following a claim made by the purchaser in the manner and terms established by law, can be replaced or repaired only by SINTRA. Guarantee acts limited to flaws and faults occurring during normal use conditions and during a proper use of the product as required by the assembling instructions..
20. All the services deriving from the warranty will not be executed in the event of missed payment of the due amount.
21. For any dispute arising from the sale or from the related relationship, the contract will be submitted to the Italian law and the jurisdiction in charge for the discussion of the dispute will be the Court of Novara.
22. The purchaser expressly allows the processing of personal data under the law 31.12.96 n.675. The undersigned declares to have full knowledge of all the over-mentioned general and particular conditions and to approve them fully and unconditionally.

Approval signature and stamp

In acceptance of the above-mentioned conditions in accordance with articles. 1341 and 1342 cc and specifically the clauses 1 (price), 2 (price changes), 3 (confirmation), 4 (characteristic modifications), 5 (technical documentation), 6 (delivery), 7 (charges), 8 (damage), 9 (delivery terms), 10 (resolution), 11 (excluding resolution), 12 (revocation), 13 (payment), 14 (signature), 15 (claims), 16 (payment), 17 (sale or succession), 18 (interest and expenses), 19 (guarantee), 20 (warranty and missed payment), 21 (jurisdiction in charge), 22 (privacy).

Approval signature and stamp

