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CERTIFIED MANAGEMENT SYSTEM
ISO 9001 - ISO 14001



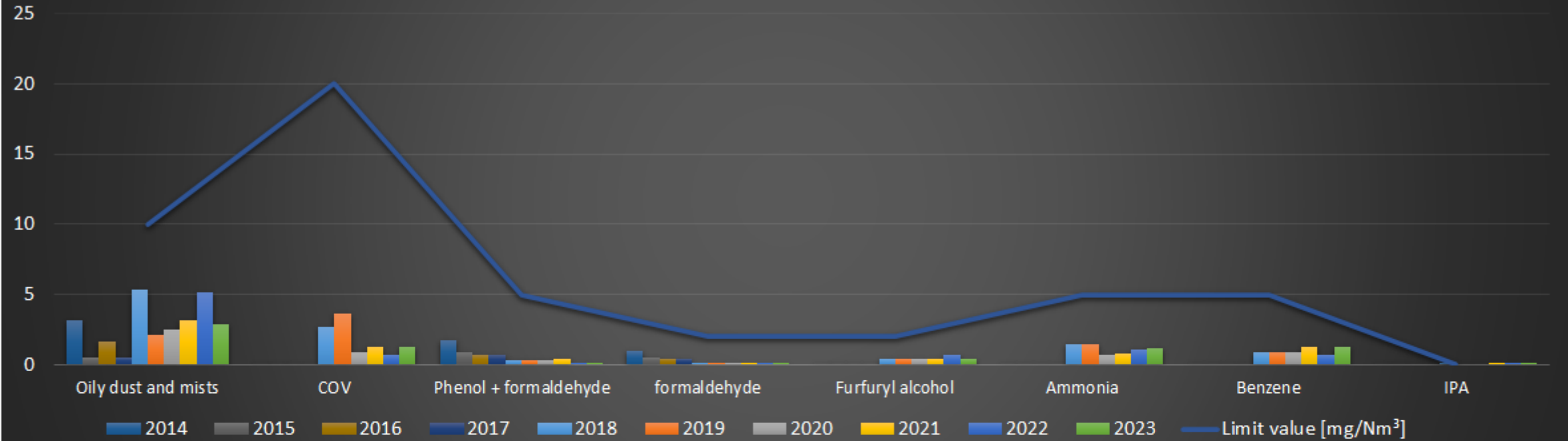
Metal Technology s.r.l.

Villa Carcina (Brescia)
Via Galileo Galilei, 8

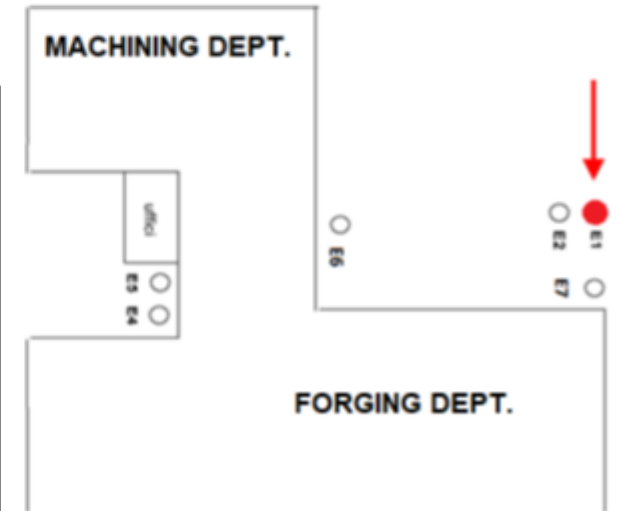


Environmental analysis results Emission in the atmosphere

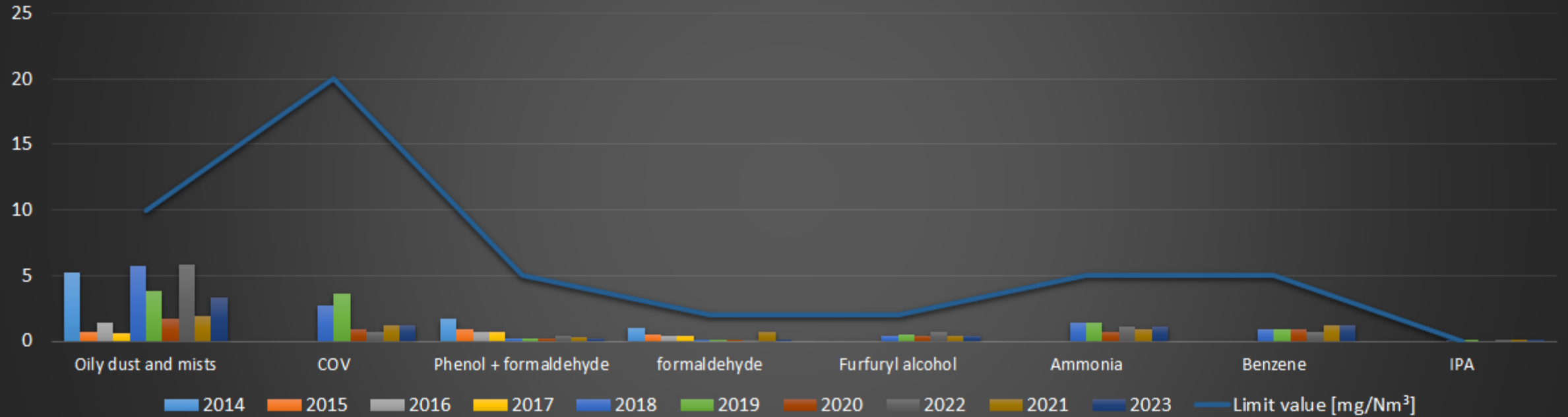
Measured values Emission point E1



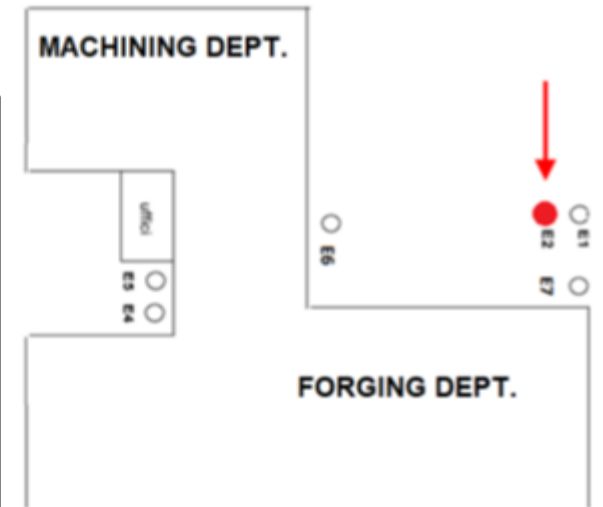
Emission E1		Values detected (from external laboratory test reports)										
Parameter	Limit value [mg/Nm ³]	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Oily dust and mists	10	3,2	0,53	1,63	0,5	5,3	2,1	2,5	3,2	5,1	2,9	
COV	20	-	-	-	-	2,7	3,6	0,91	1,25	0,71	1,25	
Phenol + formaldehyde	5	1,7	0,9	0,7	0,7	0,28	0,323	0,34	0,41	0,06	0,16	
formaldehyde	2	1	0,5	0,4	0,4	0,14	0,071	0,071	0,071	0,06	0,068	
Furfuryl alcohol	2	-	-	-	-	0,45	0,45	0,45	0,45	0,71	0,45	
Ammonia	5	-	-	-	-	1,43	1,43	0,71	0,77	1,11	1,15	
Benzene	5	-	-	-	-	0,91	0,91	0,91	1,25	0,71	1,25	
IPA	0,01	-	-	-	-	9E-06	4E-06	3E-06	1E-05	6E-06	6E-06	



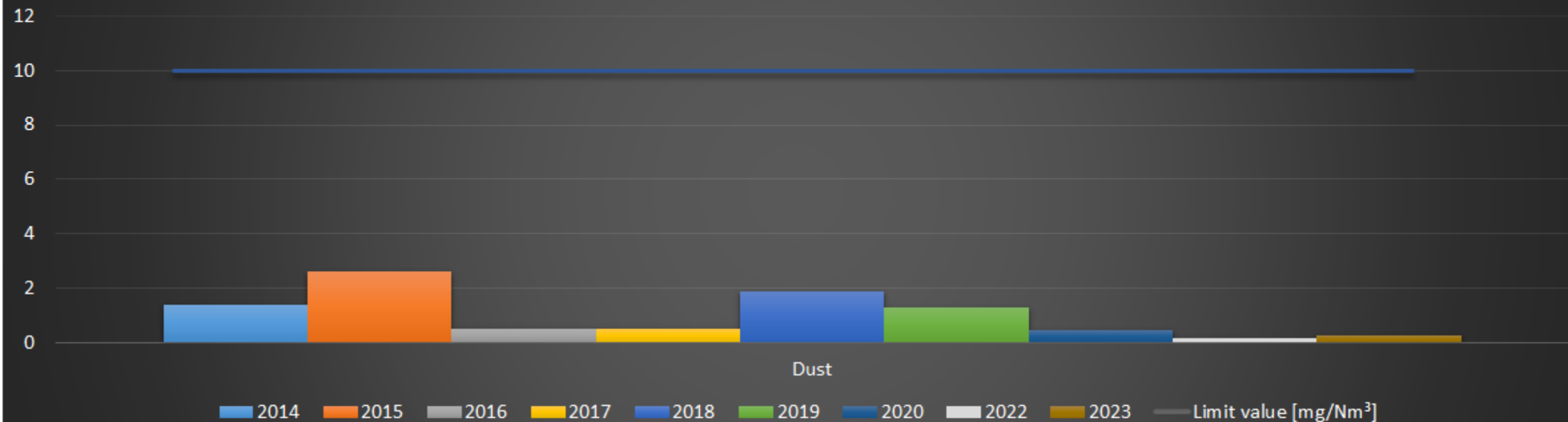
Measured values Emission point E2



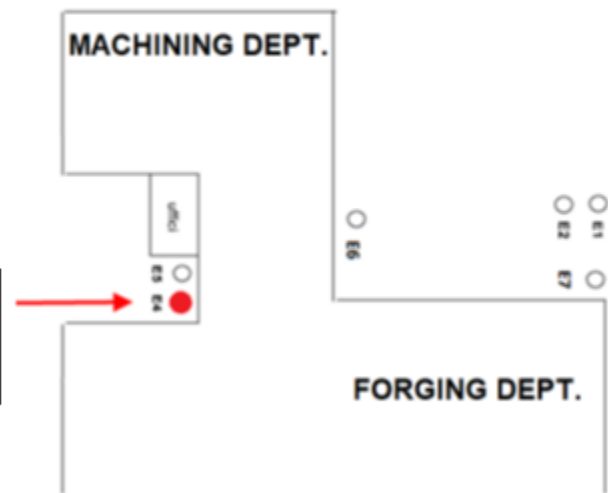
Emission E2		Values detected (from external laboratory test reports)										
Parameter	Limit value [mg/Nm³]	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Oily dust and mists	10	5,2	0,74	1,4	0,6	5,7	3,8	1,7	1,9	5,8	3,3	
COV	20	-	-	-	-	2,7	3,6	0,91	1,25	0,71	1,25	
Phenol + formaldehyde	5	1,7	0,9	0,7	0,7	0,188	0,229	0,19	0,34	0,36	0,16	
formaldehyde	2	1	0,5	0,4	0,4	0,14	0,071	0,14	0,71	0,036	0,066	
Furfuryl alcohol	2	-	-	-	-	0,45	0,5	0,45	0,45	0,71	0,45	
Ammonia	5	-	-	-	-	1,43	1,43	0,74	0,88	1,11	1,15	
Benzene	5	-	-	-	-	0,91	0,91	0,91	1,25	0,71	1,25	
IPA	0,01	-	-	-	-	1E-05	2E-05	2E-06	7E-06	8E-06	0,00001	



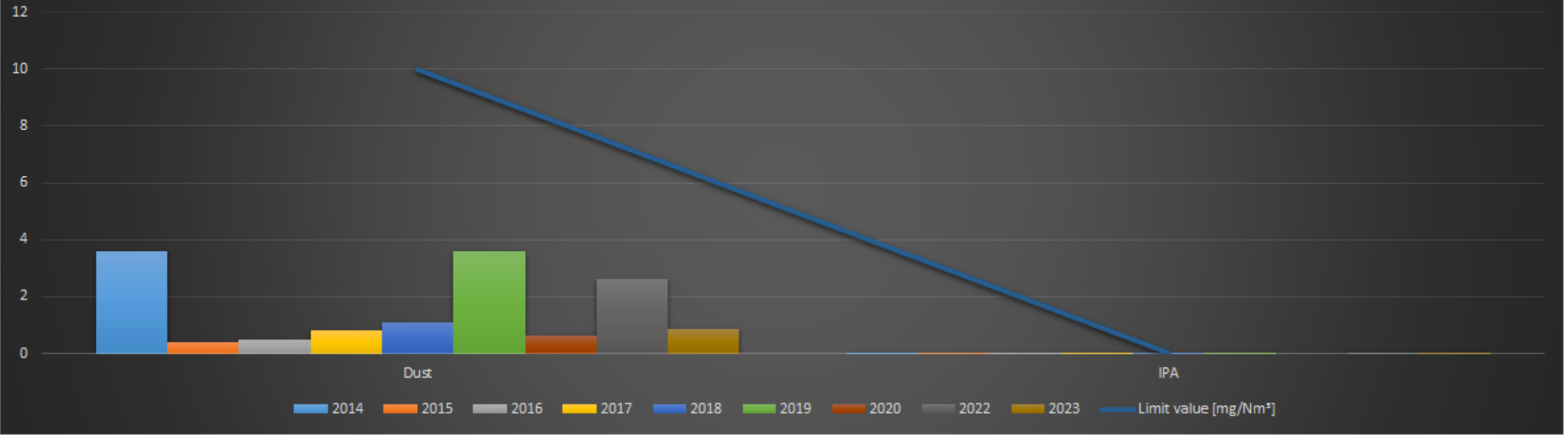
Measured values Emission point E4



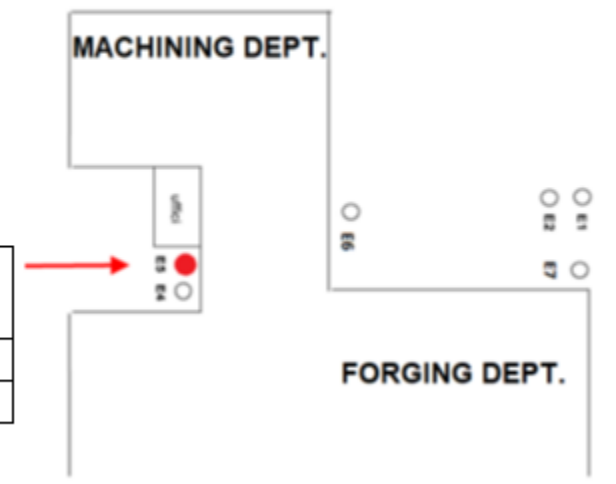
Emission E4		Values detected (from external laboratory test reports)									
Parameter	Limit value [mg/Nm³]	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Dust	10	1,4	2,6	0,5	0,5	1,9	1,3	0,44	1,6	0,16	0,26



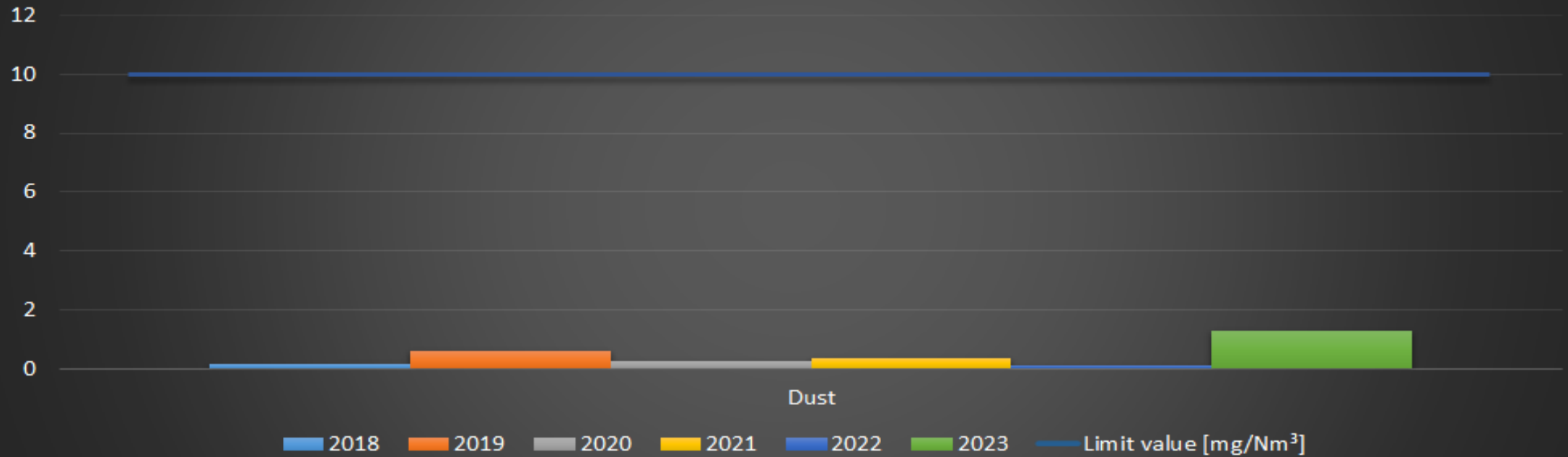
Measured values Emission point E5



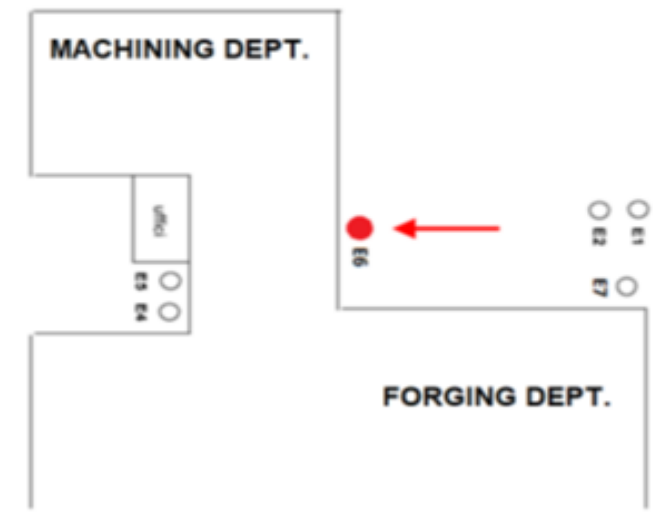
Emission E5		Values detected (from external laboratory test reports)										
Parameter	Limit value [mg/Nm³]	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Dust	10	3,6	0,42	0,5	0,8	1,1	3,6	0,64	0,33	2,6	0,84	
IPA	0,01	0,002	0,002	6E-05	0,01	3E-06	6E-06	1E-06	1E-06	6,7E-05	5E-06	



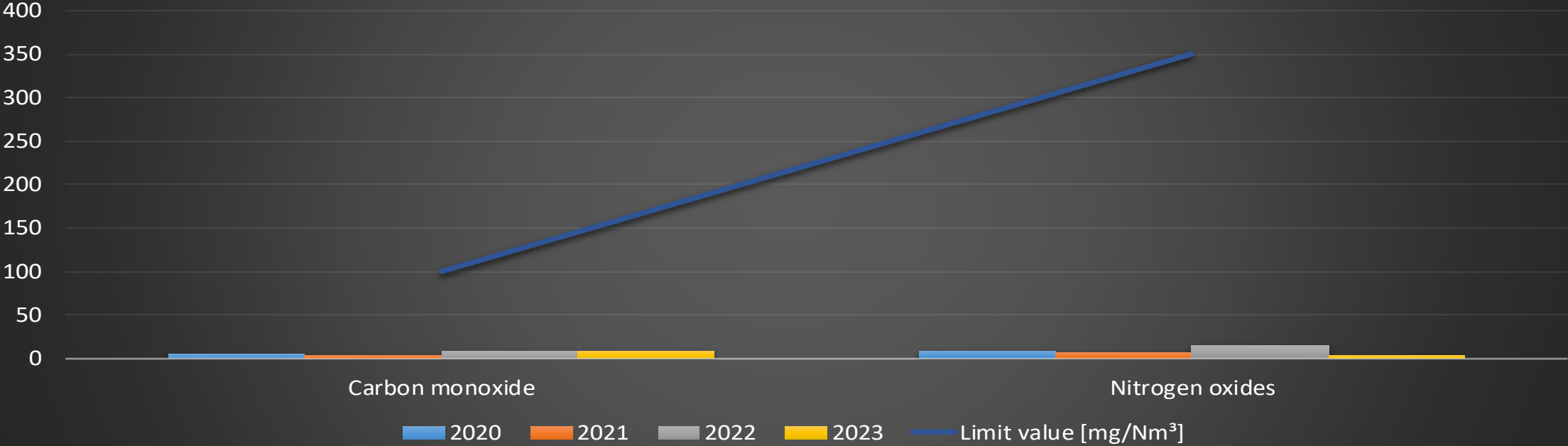
Measured values Emission point E6



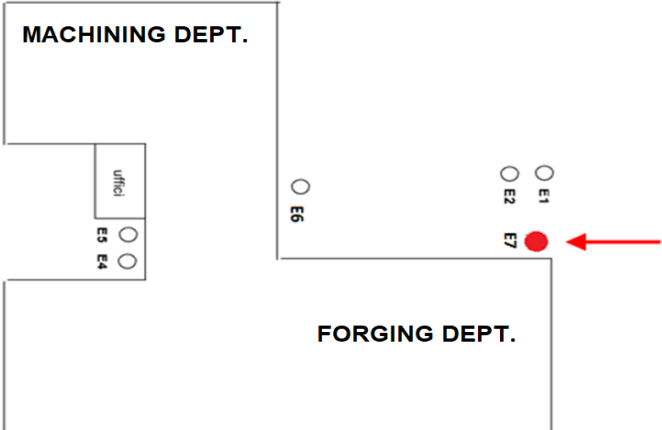
Emission E6		Values detected (from external laboratory test reports)					
Parameter	Limit value [mg/Nm ³]	2018	2019	2020	2021	2022	2023
Dust	10	0,16	0,61	0,26	0,34	0,13	1,3



Measured values Emission point E7



Emission E7		Values detected (from external laboratory test reports)					
Parameter	Limit value [mg/Nm³]	2020	2021	2022	2023		
Carbon monoxide	100	6	4,2	8,6	9,0		
Nitrogen oxides	350	8,3	6,8	16	3,2		



Trimming department – Via G.Galilei °5
(Acquisition November 2022)



Valore Medio Ponderato delle Misure Eseguite

Parametri Chimico - Fisici Metodo: UNI 16911-1:2013 Annex A	U.M.	Valore
Densità	Kg/m ³	1.2
Ossigeno (O ₂)	% v/v	20.9
Pressione Atmosferica	Pa	98800
Pressione Dinamica Differenziale (ΔP)	mm H ₂ O	24.5
Portata Normalizzata Flusso Umido	Nm ³ /h	8754
Portata Normalizzata Flusso Secco	Nm ³ /h	8754
Temperatura Fluido	°C	20
Umidità	% v/v	< 1.00
Velocità	m/s	16.8

Risultati analitici

Parametro Metodo	U.M.	Risultato	K	Incertezza	Limiti A
Polveri UNI EN 13284-1:2017	g/h	5,9	2	±1,8	
Polveri UNI EN 13284-1:2017	mg/Nm ³	0,67	2	±0,20	10

Odor emissions

Sensitive to environmental aspects, with the aim of protecting the environment, in 2019 an intervention was carried out on the fume abatement plant to reduce odor emissions.

An additional system has been installed that uses the principle of osmotic barriers, with the insertion of nebulizer nozzles inside the flue expulsion chimneys.

