

Cyclone REGISTER 360 Registration Report



Zameranie skutočného vyhotovenia reaktora, Unipetrol a.s., Záluží 2, 436 01 Litvínov

jan 22, 2021

Certified by:

Meral: Ing.Vágo, GEOTECH Bratislava s.r.o.

Spracoval: Ing.Vágo, GEOTECH Bratislava s.r.o.



Litvinov-1

Overall Quality

Error Results for Bundle 1

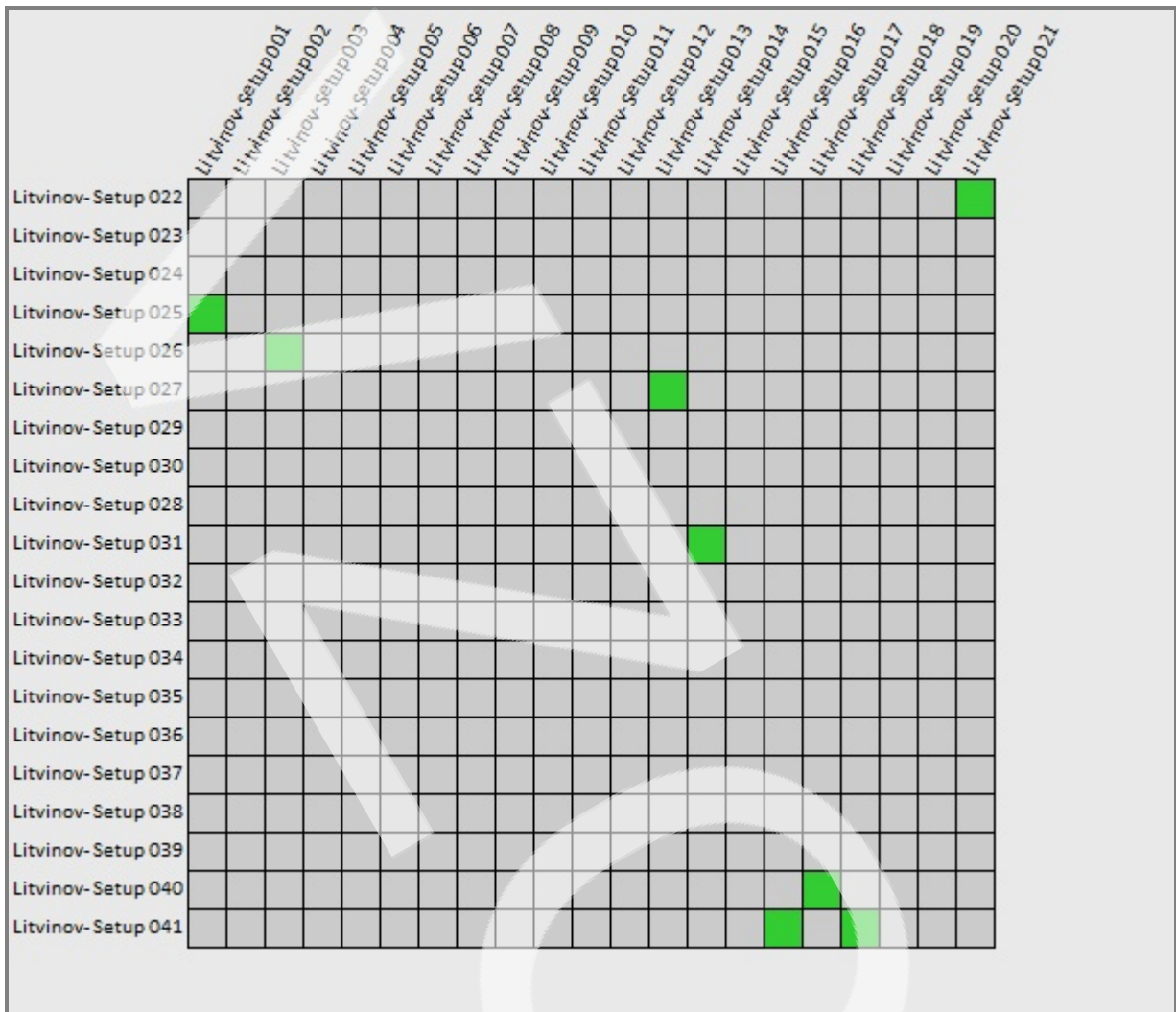
Setup Count: 41
Link Count: 47
Strength: 61 %
Overlap: 42 %

Bundle Error
0.005 m ✓

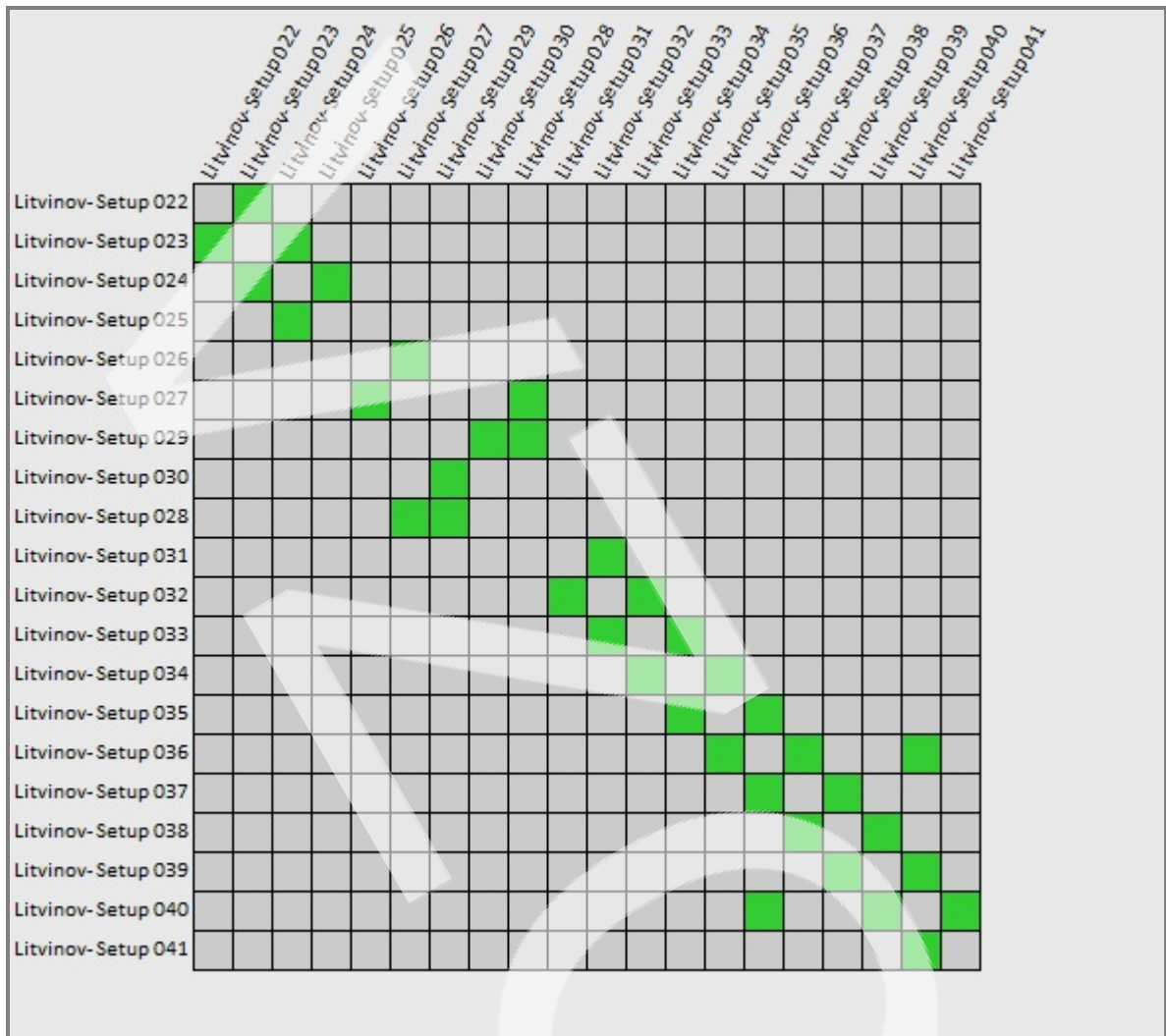
Overlap
42 % ✓

Strength
61 % ✓

Link-Quality Matrix (3 of 4) -



Link-Quality Matrix (4 of 4) -



Link Error Results

1 Overview

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 1	Litvinov- Setup 001	Litvinov- Setup 002	53 %	0.007 m
Link 2	Litvinov- Setup 002	Litvinov- Setup 003	48 %	0.006 m
Link 3	Litvinov- Setup 003	Litvinov- Setup 004	71 %	0.005 m
Link 4	Litvinov- Setup 004	Litvinov- Setup 005	34 %	0.008 m
Link 5	Litvinov- Setup 006	Litvinov- Setup 007	32 %	0.006 m
Link 6	Litvinov- Setup 007	Litvinov- Setup 008	33 %	0.006 m
Link 7	Litvinov- Setup 008	Litvinov- Setup 009	50 %	0.006 m
Link 8	Litvinov- Setup 009	Litvinov- Setup 010	55 %	0.004 m
Link 9	Litvinov- Setup 010	Litvinov- Setup 011	46 %	0.005 m
Link 10	Litvinov- Setup 011	Litvinov- Setup 012	46 %	0.005 m
Link 11	Litvinov- Setup 012	Litvinov- Setup 013	39 %	0.003 m
Link 12	Litvinov- Setup 013	Litvinov- Setup 014	44 %	0.005 m
Link 13	Litvinov- Setup 014	Litvinov- Setup 015	49 %	0.008 m
Link 14	Litvinov- Setup 015	Litvinov- Setup 016	57 %	0.012 m
Link 15	Litvinov- Setup 016	Litvinov- Setup 017	55 %	0.006 m
Link 16	Litvinov- Setup 017	Litvinov- Setup 018	52 %	0.006 m
Link 17	Litvinov- Setup 018	Litvinov- Setup 019	44 %	0.003 m
Link 18	Litvinov- Setup 019	Litvinov- Setup 020	61 %	0.004 m
Link 19	Litvinov- Setup 020	Litvinov- Setup 021	33 %	0.006 m
Link 20	Litvinov- Setup 021	Litvinov- Setup 022	58 %	0.003 m
Link 21	Litvinov- Setup 022	Litvinov- Setup 023	55 %	0.004 m
Link 22	Litvinov- Setup 023	Litvinov- Setup 024	49 %	0.004 m
Link 23	Litvinov- Setup 024	Litvinov- Setup 025	20 %	0.006 m
Link 25	Litvinov- Setup 026	Litvinov- Setup 027	33 %	0.005 m
Link 28	Litvinov- Setup 029	Litvinov- Setup 030	30 %	0.001 m
Link 29	Litvinov- Setup 028	Litvinov- Setup 029	30 %	0.001 m
Link 30	Litvinov- Setup 027	Litvinov- Setup 028	23 %	0.001 m
Link 31	Litvinov- Setup 031	Litvinov- Setup 032	22 %	0.007 m
Link 32	Litvinov- Setup 032	Litvinov- Setup 033	38 %	0.004 m
Link 33	Litvinov- Setup 033	Litvinov- Setup 034	48 %	0.006 m
Link 34	Litvinov- Setup 034	Litvinov- Setup 035	28 %	0.007 m
Link 35	Litvinov- Setup 035	Litvinov- Setup 036	42 %	0.004 m
Link 36	Litvinov- Setup 036	Litvinov- Setup 037	27 %	0.007 m

Link 37	Litvinov- Setup 037	Litvinov- Setup 038	35 %	0.009 m
Link 38	Litvinov- Setup 038	Litvinov- Setup 039	42 %	0.006 m
Link 39	Litvinov- Setup 039	Litvinov- Setup 040	23 %	0.007 m
Link 41	Litvinov- Setup 014	Litvinov- Setup 031	50 %	0.005 m
Link 44	Litvinov- Setup 017	Litvinov- Setup 040	23 %	0.007 m
Link 45	Litvinov- Setup 036	Litvinov- Setup 040	44 %	0.004 m
Link 46	Litvinov- Setup 005	Litvinov- Setup 006	40 %	0.003 m
Link 47	Litvinov- Setup 005	Litvinov- Setup 010	48 %	0.004 m
Link 48	Litvinov- Setup 041	Litvinov- Setup 016	40 %	0.006 m
Link 49	Litvinov- Setup 001	Litvinov- Setup 025	40 %	0.004 m
Link 50	Litvinov- Setup 003	Litvinov- Setup 026	52 %	0.004 m
Link 51	Litvinov- Setup 041	Litvinov- Setup 018	35 %	0.006 m
Link 52	Litvinov- Setup 013	Litvinov- Setup 027	48 %	0.004 m
Link 53	Litvinov- Setup 041	Litvinov- Setup 040	37 %	0.007 m

2 Details

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 1	Litvinov- Setup 001	Litvinov- Setup 002	53 %	0.007 m
		Cloud to Cloud		0.007 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 2	Litvinov- Setup 002	Litvinov- Setup 003	48 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 3	Litvinov- Setup 003	Litvinov- Setup 004	71 %	0.005 m
		Cloud to Cloud		0.005 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 4	Litvinov- Setup 004	Litvinov- Setup 005	34 %	0.008 m
		Cloud to Cloud		0.008 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 5	Litvinov- Setup 006	Litvinov- Setup 007	32 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 6	Litvinov- Setup 007	Litvinov- Setup 008	33 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 7	Litvinov- Setup 008	Litvinov- Setup 009	50 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 8	Litvinov- Setup 009	Litvinov- Setup 010	55 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 9	Litvinov- Setup 010	Litvinov- Setup 011	46 %	0.005 m
		Cloud to Cloud		0.005 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 10	Litvinov- Setup 011	Litvinov- Setup 012	46 %	0.005 m
		Cloud to Cloud		0.005 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 11	Litvinov- Setup 012	Litvinov- Setup 013	39 %	0.003 m
		Cloud to Cloud		0.003 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 12	Litvinov- Setup 013	Litvinov- Setup 014	44 %	0.005 m
		Cloud to Cloud		0.005 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 13	Litvinov- Setup 014	Litvinov- Setup 015	49 %	0.008 m
		Cloud to Cloud		0.008 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 14	Litvinov- Setup 015	Litvinov- Setup 016	57 %	0.012 m
		Cloud to Cloud		0.012 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 15	Litvinov- Setup 016	Litvinov- Setup 017	55 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 16	Litvinov- Setup 017	Litvinov- Setup 018	52 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 17	Litvinov- Setup 018	Litvinov- Setup 019	44 %	0.003 m
		Cloud to Cloud		0.003 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 18	Litvinov- Setup 019	Litvinov- Setup 020	61 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 19	Litvinov- Setup 020	Litvinov- Setup 021	33 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 20	Litvinov- Setup 021	Litvinov- Setup 022	58 %	0.003 m
		Cloud to Cloud		0.003 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 21	Litvinov- Setup 022	Litvinov- Setup 023	55 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 22	Litvinov- Setup 023	Litvinov- Setup 024	49 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 23	Litvinov- Setup 024	Litvinov- Setup 025	20 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 25	Litvinov- Setup 026	Litvinov- Setup 027	33 %	0.005 m
		Cloud to Cloud		0.005 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 28	Litvinov- Setup 029	Litvinov- Setup 030	30 %	0.001 m
		Cloud to Cloud		0.001 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 29	Litvinov- Setup 028	Litvinov- Setup 029	30 %	0.001 m
		Cloud to Cloud		0.001 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 30	Litvinov- Setup 027	Litvinov- Setup 028	23 %	0.001 m
		Cloud to Cloud		0.001 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 31	Litvinov- Setup 031	Litvinov- Setup 032	22 %	0.007 m
		Cloud to Cloud		0.007 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 32	Litvinov- Setup 032	Litvinov- Setup 033	38 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 33	Litvinov- Setup 033	Litvinov- Setup 034	48 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 34	Litvinov- Setup 034	Litvinov- Setup 035	28 %	0.007 m
		Cloud to Cloud		0.007 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 35	Litvinov- Setup 035	Litvinov- Setup 036	42 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 36	Litvinov- Setup 036	Litvinov- Setup 037	27 %	0.007 m
		Cloud to Cloud		0.007 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 37	Litvinov- Setup 037	Litvinov- Setup 038	35 %	0.009 m
		Cloud to Cloud		0.009 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 38	Litvinov- Setup 038	Litvinov- Setup 039	42 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 39	Litvinov- Setup 039	Litvinov- Setup 040	23 %	0.007 m
		Cloud to Cloud		0.007 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 41	Litvinov- Setup 014	Litvinov- Setup 031	50 %	0.005 m
		Cloud to Cloud		0.005 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 44	Litvinov- Setup 017	Litvinov- Setup 040	23 %	0.007 m
		Cloud to Cloud		0.007 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 45	Litvinov- Setup 036	Litvinov- Setup 040	44 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 46	Litvinov- Setup 005	Litvinov- Setup 006	40 %	0.003 m
		Cloud to Cloud		0.003 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 47	Litvinov- Setup 005	Litvinov- Setup 010	48 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 48	Litvinov- Setup 041	Litvinov- Setup 016	40 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

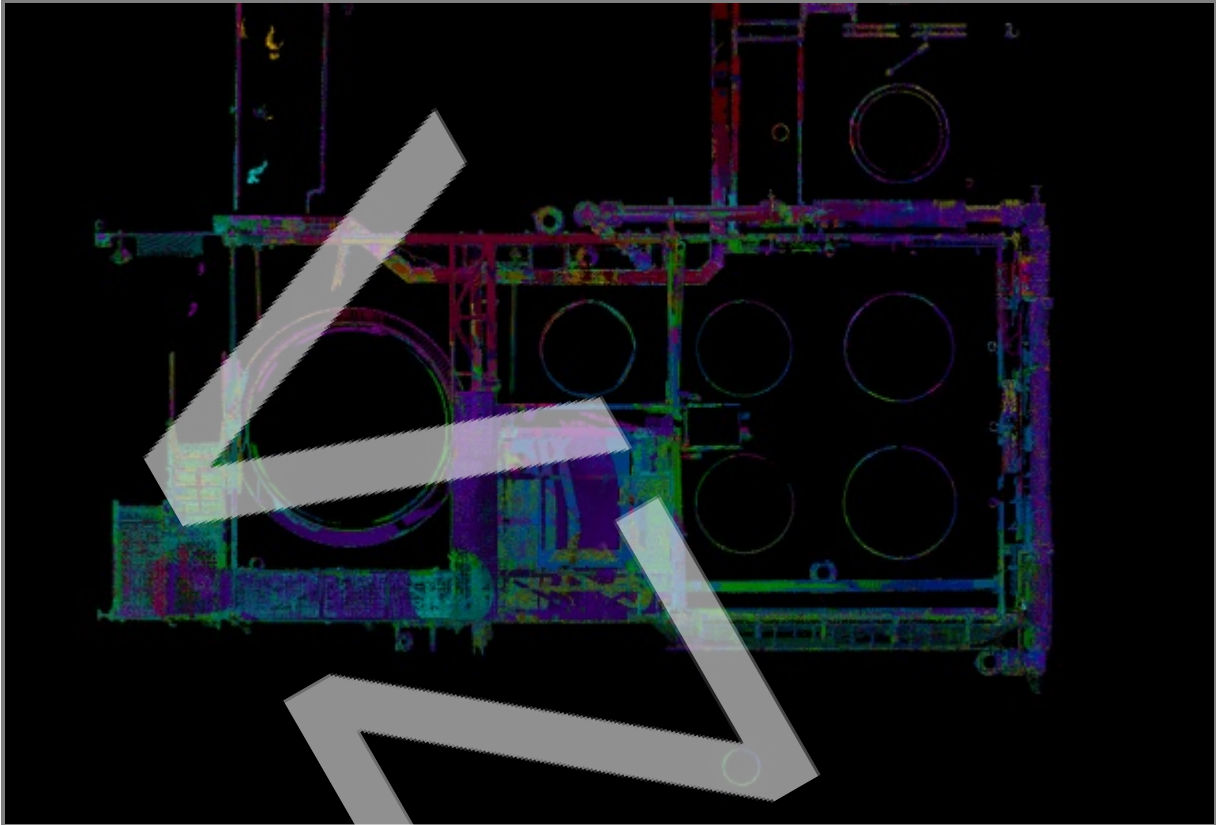
Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 49	Litvinov- Setup 001	Litvinov- Setup 025	40 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 50	Litvinov- Setup 003	Litvinov- Setup 026	52 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 51	Litvinov- Setup 041	Litvinov- Setup 018	35 %	0.006 m
		Cloud to Cloud		0.006 m
		Target	Mean Target Error:	--

Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 52	Litvinov- Setup 013	Litvinov- Setup 027	48 %	0.004 m
		Cloud to Cloud		0.004 m
		Target	Mean Target Error:	--

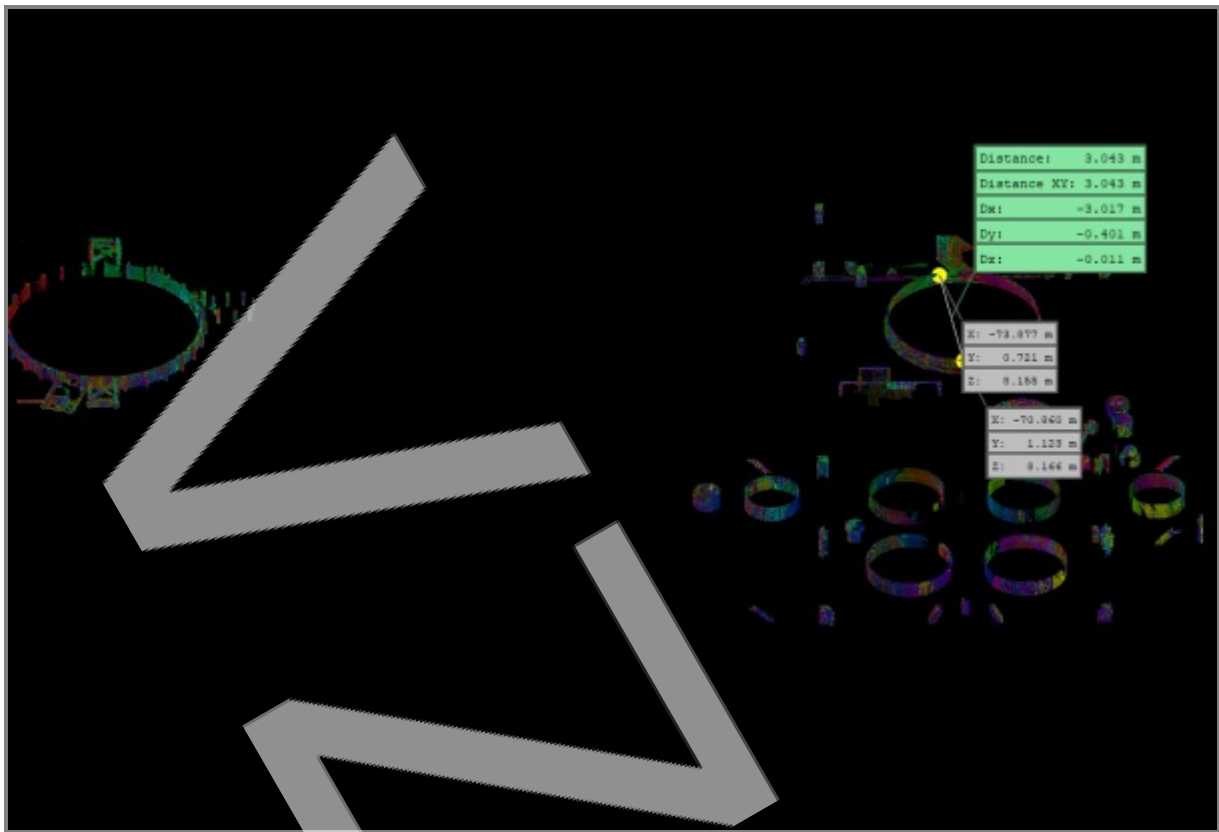
Link Name	Setup 1	Setup 2	Overlap	Abs. Mean Error
Link 53	Litvinov- Setup 041	Litvinov- Setup 040	37 %	0.007 m
		Cloud to Cloud		0.007 m
		Target	Mean Target Error:	--



Rez_Top_1



Rez2_Top2



Rez3_Side1



Image 002

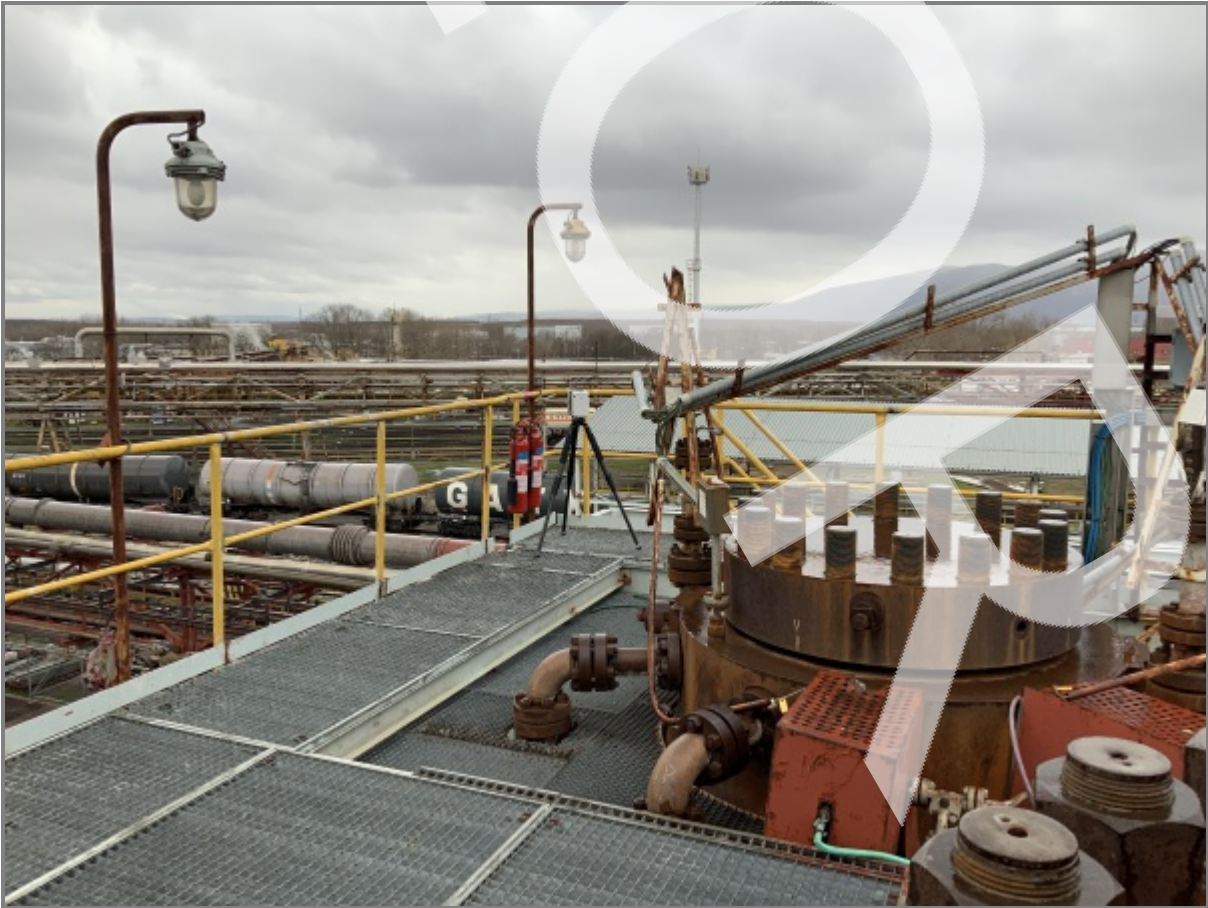


Image 003



Image 004



Image 005



Image 001



stan5-stitok



stan22-2



stan22-1



Litvinov-1