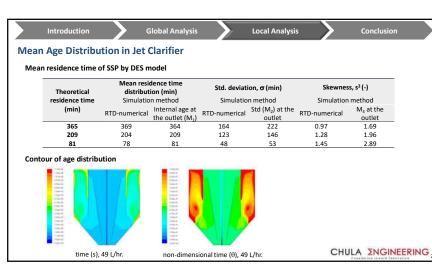
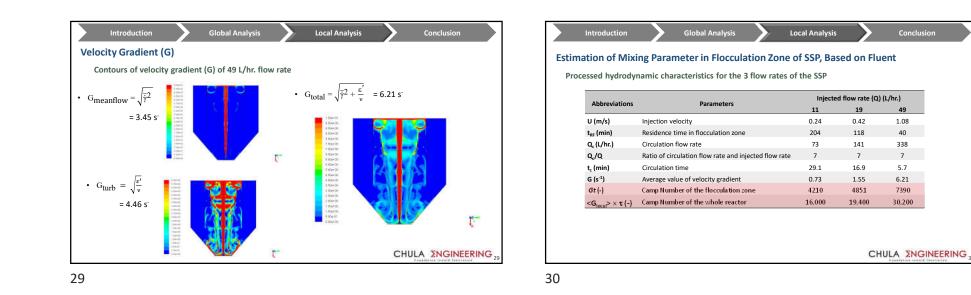
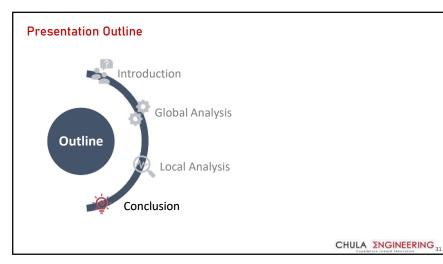


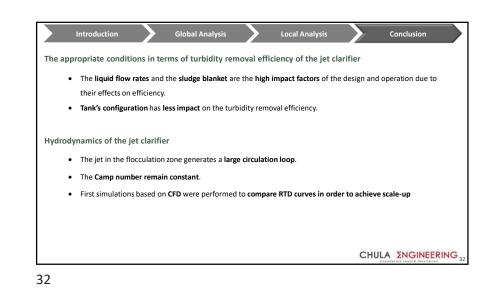
Introduction	Global A	nalysis	Local Analysis	Cor	nclusion
Internal Age Method a	and Local Carr	np Number			
• Scalar 0 →	Δσο ·	Γ.(II. Δ) –	$\nabla \cdot (\mathbf{D}_{ef} \nabla \mathbf{A}) + 1$		
• Scalar 1 → c			$\nabla \cdot \left(\mathbf{D}_{ef} \nabla M_2 \right) + 2A$	1	
• Scalar 2 → S			$\nabla \cdot (\mathbf{D}_{ef} \nabla M_3) + 3c$		
 Scalar 4 → 0 	$G_{total} \times t;$	$\nabla \cdot \left(\overrightarrow{U_i} M_4\right) =$	$\nabla \cdot \left(\mathbf{D}_{ef} \nabla M_4 \right) + G$		
				CHULA 2	NGINEERING 26



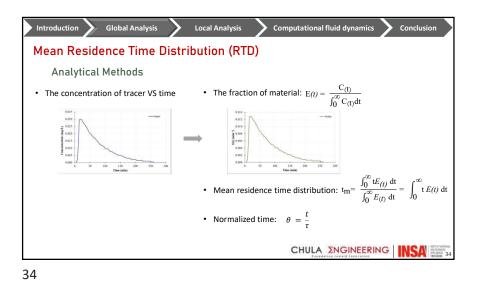
Injected	flocculation zone by species transport for in The mean resident time of flocculation zone (min)		Standard	Ratio of	
flow rate (L/hr.)	Theoretical time (t)	Internal age	deviation (o) (min)	Internal age/ Theoretical time	
11	33.2	204	205	6	
19	19.0	118	124	6	
49	7.4	40	40	6	
		• The character of th flow (CoV = 1) follo			
- 10-1		In the flocculation		residence time is eq	



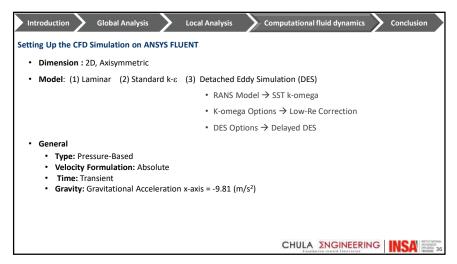




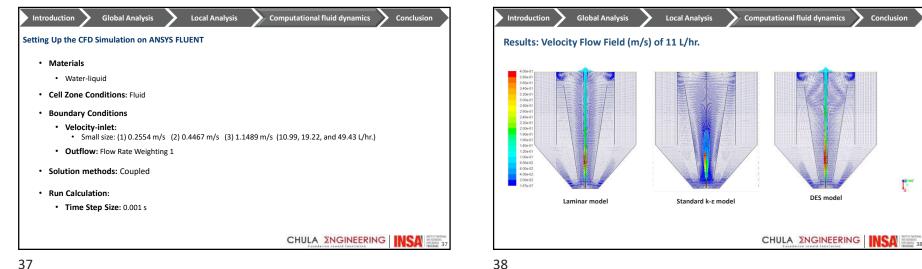




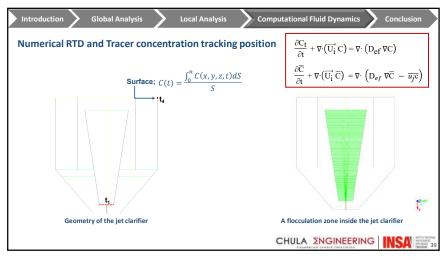
The offerst of teach configuration	tion on DTD						
The effect of tank configura		Porous	Flow rate (L/hr.)	Diameter (cm.)	Theoretical residence time (min)	t _m (min)	Std. deviation; (min)
w/o porous wit	h porous			3.25	365	302	178
1.0 0.9 + 1.0 0.9 + 1.25 cm. 1.0 0.9 +			11	6.50	365	305	178
0.8 +	Di = 6.51 cm.			9.75	365	300	187
New York Street		without	19	3.25	209	198	155
				6.50	209	200	143
				9.75	209	196	152
				3.25 6.50	81	73	47
within 00	0.50 1.00 1.50 2.00 2.50 1.00 1.50 4.00	4.00	49	9.75	81 81	72 76	52 41
9(-)	0(;) ·			3.25	318	293	162
Summary The diameters of the truncated cone base do not affect mean residence time distribution (t _m)		with	11	6.50	318	293	155
				9.75	318	230	177
			19	3.25	182	165	100
				6.50	182	159	92
				9.75	182	160	88
- The porous zone affect mean residence time distribution $\left(t_{\text{m}}\right)$			49	3.25	71	64	37
				6.50	71	63	36
				9.75	71	65	39

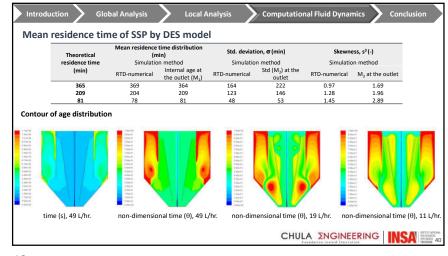


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Conclusion

