No.	Port import operations	w 🛆 1 R1	w* I ∆ t R1 I	Difference with the base case BAU	Tank	₩ ∆ 2 R	2 & w* A R2	Difference with the base case BAU	Stora	ige in po	Alternai rt	tive scer w∆ 3R3	narios ((₩* 3 Δ R3	Operational activities) Difference with the base case BAU	Transport	w4 /	∆ v R4 ⊿ F	v* Difference with ∆ the base case 24 BAU	Operations and storage on industrial site	w5 ∆ F	x w x5 ∆ R	* Difference with the base case 5 BAU	Tota ∑w* ∆R
3A	1) 80 x 12,5 tons Iso-container/week to Haifa Port (1000 t/week);	3 1		I) more novement with containers chance of leakage (+)	No storage tank	1 -1	0 -10		1) 50 (625 t about Port;	Iso-conta t) at press 11 bar ir	ainer sure of h Haifa	1 1	1	1) smaller quantity of ammonia (-);	1) Transport of 10 iso- containers/day from terminal by road tanker to Haifa N (+);	3	5 1	I3 Move traffic on road and possibility of road accidents	1) 50 Iso-container (625 t) at pressure of about 11 bar in Haifa North	3	2 5	1) smaller quantity of ammonia (-);	11.5
	2) 80 x 12,5 tons Iso-container/week to Ashdod (1000 t/week)		2	2) smaller quantities (-)					2) 50 (625 t about Ashdo	Iso-conta t) at press 11 bar ir od Port;	ainer sure of 1			2) partition of amount in 12,5 t/container (-)	2) Transport of 10 iso- containers/day from terminal by road tanker to Demisha (+);				2) 50 Iso-container (625 t) at pressure of about 11 bar in Haifa South;			2) partition of amount in 12,5 t/container (-)	
			: 	B) pressurize containment, so eakage more ikely (+)										3) robust construction (-)	3) Transport of 10 iso- containers/day from terminal by road tanker to Haifa S (+);				2) 50 Iso-container (625 t) at pressure of about 11 bar in Deshamin;			3) robust construction (-)	
			2	4) iso-containers can fall from the crane (+)										4) higher probability of leakage (+)								4) higher probability of leakage and emission because of connecting and disconnecting of hoses in order to empty the iso- containers (+)	
																						5) Strategical amount of ammonia needs to be stored for process continuity (+)	
			 	Remark: Only people in the narbour will be affected if the maximum distance of 300 metres would give lethality																		Remark: Only personnel on the plant will be affected if the maximum distance of 300 metres would give lethality	
BA U	2500 -16000 t/3 weeks by ship;	3 0	0 8	Basis of ∆ R	12000 t in Haifa, including emergency storage	1 (0	Basis of ∆ R				1 0	0	No storage of ammonia in port	From storage tank:	3	0	0 Basis of ∆ R		3	0 0		0
	Unloading in 24 h with capacity of 500 t/h														1) direct to Haifa N;								
															2) by underground pipeline to Deshamin;3) 5 road tankers per								

I Comments on feasibility viz.: - Estimation time for implementation - Continuous supply - Economics 5 Reason:
Many iso-containers required so more handling and possibility of falling iso-containers
More movement by trucks so road accidents in probably populated area
Many connections of hoses etc. to empty the iso-containers - Additional stategical amount of ammonia in iso-container on the site to maintain continuity