

	TIME	SUBJECT LEVEL 2	NEW SIMULATOR SKILLS	SPECIAL SIMULATOR OPERATIONS
Monday October 5, 2009	9.00-12.00	Theory: General introduction trainers, trainees, facilities, training programme, intake exam Introduction IHC Merwede Simulator: Introduction and demonstration of the simulator <i>Repetition of the skills:</i> Ladder Swing winches Spuds Spudcarrier Changing spuds Cutter Submerge dredge pump On board dredge pump	Control of ladder Control of side winches Swinging Spuds Cutter Sub. dredge pump On board dredge pump	Bulldozering
	12.00-13.00	Lunch canteen		
	13.00-17.00	Theory: Practical aspects of a CSD Soil 2		
	17.45-18.15	Visit to the Euromast tower, view over Rotterdam (tentative)		
Tuesday October 6, 2009	9.00-12.00	Theory: Pumps and slurry transportation Cavitation 2		
	12.00-13.00	Lunch canteen		
	13.00-14.00	Yard tour Kinderdijk		
	14.15-17.00	Simulator: APC Vacuum relieve Optimisation dredgingprocess with different soil types Different types of soil Different pipeline lengths Different pipeline diameters Geodetic head changing	Automatic Pump Control Vacuum relieve valve	Cavitation Silt up pipe line
Wednesday October 7, 2009	9.00-12.00	Simulator: Optimisation dredgingprocess Shifting anchors	Shifting of anchors	Anchors behind CSD
	12.00-13.00	Lunch canteen		
	13.00-17.00	Theory: Anchor position and dredging forces		
Thursday October 8, 2009	9.00-12.00	Theory: Optimisation dredgingssystem		
	12.00-13.00	Lunch windmill		
	13.00-17.00	Simulator: Preparation of a dredgeplan Workshop calculate the dredging width and swing angle Optimisation dredgingprocess Different cutter types Wear on teeth	Up- vs downwards cutting	Wear cutter teeth Dirt in Cutter Dirt in suction mouth
	17.30-21.00	Course dinner		
Friday October 9, 2009	9.00-12.00	Simulator: Optimisation dredgingprocess Breaking in Layer dredging Calibrating SDI Slope dredging	Breaking in Layer dredging Slope dredging	Dirt in suction mouth CSD out of Center Line Position
	12.00-13.00	Lunch canteen		
	13.00-17.00	Theory: Preparation of a dredgeplan Workshop calculate the dredging width and swing angle		
Saturday October 10, 2009	9.00-12.00	Theory: Economics of a CSD		
	12.00-13.00	Pancake lunch		
	13.00-17.00	Simulator: Overall test including a special operation Optimisation dredgingprocess Evaluation		Dirt in suction mouth
The practical skills will be rehearsed during every simulator session The programme is intensive. Besides simulator training trainees will be given several types of practical exercises				