simulations of HRSGs NDS in MATLAB/Simulink File Model Tools Graphs Report View Help **NDS Module Library** NDS · GT gas turbine block type 035_Khormala_GT_SU_simultaneous pressure & enthalpy GT soak @ Texh=380C for 10 mins. Refer gas paths D CV LP
D PC HP
D PC LP
D HP ATT LINE 1
D HP ATT LINE 2
D HP MS LINE 1
D HP MS LINE 2 Key eatures: advanced data structure browser with recent files list and numerous post processing tools Library: ndsL automated Simulink model creation from steay-state ⇒ thermal design NDS block library for: control valves, heat exchangers, gasturbine, steam turbine, drum/deaerator, PID controls, ... A1 state-of-the-art heat transfer correlations optimised for calculation performance logged data is added to data structure after simulation automated report generating capabilities external interfacing with: Java, C, and Fortran search path management based on project selection modern high quality software: 15 years proven track record 500 best coding practices 400 Git revision control full test suite 0 < 0 < 120 s $\Delta t_{\rm open}$ = 20 s 100 150 100 150 200 Valve Attemperator 70 - - exit flow [kg/s] 60 flow fraction [0...

- max fraction 0.2 --- attempe 0.6 ---- Cards 0 kg/s 50 position [0...1] 0.5 40 30 20 10 valve state: 0 non-choked - 1 choked time [min]

dynamic process