



Changelog

Further information can be found on the [GasTurb website](#), updates and manuals are available in the [Download section](#).

GasTurb 14

Update 10 - 01.08.2023

- Fix for loading savefiles in "More..."-mode, where previously the Aero Design calculation was not initialized correctly and resulted in error messages.
- The "Incidence" in the Result Summary window is now hidden when it is not calculated, previously it was shown as 0.0.
- Minor bugfixes and performance improvements.

Update 9 - 07.06.2023

- Improved convergence for Test Analysis calculations with multiple user defined iterations. This change only affects cases which didn't converge in the previous GasTurb versions.
- The transient input variable "Burner Time Constant" can now be set to 0, previously it was limited to 0,001.
- In Batchjob mode the settings from the Iterations window are now used if no [Iterations] keyword is used.
- Fix for the off-design calculation of turboshaft engines when using the exhaust loss calculation with turbine maps.
- Fix for the accounting of the PT NGV Cooling Air in the configurations "Boosted Turboshaft", "Double Boost Turboshaft" and "Interc Recup Turboshaft".
- Fix for the use of Functions or Libraries (DLLs) in composed values that have the name of other GasTurb variables in the function call.

- Minor bugfixes and performance improvements.

Update 8 - 16.01.2023

- Fix for an issue with the Formula Editor for the Transient Calculation. Previously, some composed value definitions containing GasTurb property names (e.g. XN_HPC) resulted in errors.
- The Transient Calculation window now displays the unit (milliseconds) for the timestep input.
- Fix for an issue, where in some cases the "Detailed Output @ t=" option in the Transient Calculation window was off by one timestep.
- The y-Axis of the $y=f(x)$ -Plot in the Transient Calculation window now doesn't reset to the default properties every time the window is closed.
- The More...-Mode engine plot now supports IGVs for radial compressors.
- Fix in the initialization of the Aero Design calculation for radial compressors after loading from a savefile.
- In the window to edit Compressor Maps the "fix" functionality now doesn't reset the values to 0 anymore.
- Minor bugfixes and performance improvements.

Update 7 - 16.09.2022

- Improvements for the evaluation of mission points during a Design parametric study.
- Minor bugfixes and performance improvements.

Update 6 - 05.08.2022

- Scaled turbine and compressor maps now always reproduce the design point without iterations, even if the scaling point is between speed lines or beta lines. Previously, this was rarely not the case because of interpolation errors in sparse maps.
- In the Test Analysis for the Turboshaft, Turboprop and 2-Spool Turbojet configuration the deviation for the inter turbine temperature is now calculated at the measurement position 44 instead of 45.
- Minor bugfixes and performance improvements.

Update 5 - 23.06.2022

- The window to assign properties to sliders is now always shown in the foreground to prevent hidden buttons.
- Minor bugfixes and performance improvements.

Update 4 - 22.03.2022

- Bug-Fix in the calculation of the 2 Spool Mixed Turbofan with an LPC Flow Capacity Modifier. Now the LPC Pressure Ratio is calculated correctly along a constant Beta Line.
- Minor bugfixes and performance improvements.

Update 3 - 18.01.2022

- Several minor bugfixes and performance improvements.

Update 2 - 07.10.2021

- Transferring power via the electric system to the gas turbine now possible during off-design calculations.
- Minor bugfixes and performance improvements.

Update 1 - 24.09.2021

- Support for high-DPI monitors is added with this release.
- Minor bugfixes and performance improvements.

Initial Release - 24.08.2021

- Initial Release of GasTurb 14
- More information about the new features can be found on gasturb.com and in the [What's new presentation](#).