

Release notes

D-Foundations 17.1.1.2

Date: 23-05-2017

New features

MFO-864 & MFO-1269	Bearing Piles (EC7-NL): Adapted the limits for γ_{nk} to -100, 100 so now it is possible to have values smaller than 1 and even negative if wanted.
MFO-989	Bearing Piles (EC7-NL): Extended the report with more information on the data shown in paragraph 3.7.1 and 3.7.2. The intermediate results have been extended with information about R_{c_cal} Gemiddeld, R_{c_cal} Minimum and information on which γ_{nk} factor has been used to determine the final $R_{c;d}$ value.
MFO-672 & MFO-1006	Bearing Piles (EC7-NL): When using a user defined pile type, it is now possible to specify it as prefabricated or not. This in order to be able to use the proper delta factor.
MFO-262 & MFO-686 & MFO-988	Shallow Foundations (EC7-NL): Added options to overrule partial factors (as was already possible for the Bearing Piles model).
MFO-1262 & MFO-1231 & MFO-1236 & MFO-1237 & MFO-1245 & MFO-1285	Dutch models: Adapted all dutch models to the latest version of the NEN 9997-1 (NL) 2016.
MFO-1261	Bearing Piles (EC7-NL): The "Almere regels" have been adapted to the new update by the City of Almere (01-01-2017).
MFO-1112	Bearing Piles (EC7-NL): When using a user defined pile type, it is now possible to specify the required reduction of $q_{c,III}$ (as percentage).
MFO-1011	Tension Piles (EC7-NL): Added f_1 and f_1 average to the design results.
MFO-1313	Shallow Foundations (EC7-NL): Added the value of z_e ("ze einde iteratie") based on ϕ ($\gamma_{gem;d}$) to the intermediate results file. This is the value used for the determination of the average values. This is in addition to the z_e -value already given a bit further down (" $z_e = x$ (op basis van $\phi = y$)") which is used to determine the proper case that is to be calculated.

Solved bugs

MFO-659 & MFO-1236 & MFO-1319	Fixed several typo's in the report.
MFO-1042	All pile models: fixed problem with the legend for the Top View Foundation window (legend became unusable for very large pile dimensions).
MFO-1193	Bearing Piles (EC7-NL): Corrected the tab-order in the pile type dialog.
MFO-1232 & MFO-1257	Tension Piles (EC7-NL): Corrected the definitions for soil displacing pile types to be in accordance with table 7c of the NEN.

MFO-1238	Tension Piles (EC7-NL): Prevented the development of negative values for the effective stress during calculation due to given values for additional pore pressures.
MFO-1259	Bearing Piles (EC7-NL): Corrected the validation for the CPT test level to use only the selected pile type(s) instead of checking for all pile types. This way, defining one (but unused) piletype with large dimensions will no longer prevent the user to define a valid value for the CPT test level.
MFO-1263	Fixed the error which allowed for the import of only 50 instead of the real maximum allowed 350 CPT's.
MFO-1314 & MFO-1321	Tension Piles (EC7-NL): Corrected the determination of the pile weight for H-shaped profiles. This (small) error was due to a little mistake in the determination of the circumference of this pile type.
MFO-1320	Tension Piles (EC7-NL): The calculated value for R_t ; k_{luid} ; d should not include the pileweight (which it did). This is now corrected.
MFO-1306	Bearing Piles (EC7-NL): Increased the accuracy for F_s ; n_k ; d to 3 decimals instead of none.
MFO-1301	Bearing Piles (EC7-NL): Increased the accuracy in the determination of w_{punt} from 0.1 mm to 0.01 mm, resulting in a slightly more accurate value for w_{punt} .
MFO-1276	Import of CPT-DOV-files (CPT's from the Belgian DOV-site) has been adapted to the new format as now used by this site.
MFO-1310	Shallow Foundations (EC7-NL): Prevented negative effective soil weights during calculation for given soil weights below 11 kN/m ³ .

Removed

MFO-1253	All models: Removed the import from DINO option as the DINO service is discontinued and thus no longer available to the program.
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