

## MIKE NET 2007 List of New Features

This document contains the list of the new features developed for MIKE NET 2007.

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### Reliability Analysis

**CHANGED FEATURE!** MIKE NET settings for analyzing hydraulic reliability has changed and more options are available. The reliability analysis is developed jointly with prof. Ruggero Ermini, Università della Basilicata, Dipartimento di Ingegneria e Fisica dell'Ambiente, Italy.

	Reliability (r):	Risk (R=f.D):
Minimum limit overrun:	93.22%	24.24 [l/s]
Maximum limits overrun:	99.43%	0.73 [l/s]
Combined limits overrun:	92.64%	24.98 [l/s]

Fig 1: Changed Reliability Analysis dialog box

#### Reliability parameter

It is possible to select a reliability parameter from the list. These are the options:

- Node demand
- Node pressures
- Node HGL
- Node water quality
- Link abs(flow)
- Link velocity
- Link headloss
- Link headloss/1000
- Link water quality

This give you the option of selecting any simulated parameter and analyze it for over running the limit values.

### **PID (Proportional Integral Differential) Control**

***CHANGED FEATURE!*** MIKE NET PID algorithm and its performance were improved.