TopKapi vision

SUMMARIES Module

This program uses data stored by **TopKapi** in historical files to summarize values such as running time, accumulated time or number of faults, and stores the results in EXCEL[1], HTML or ANSI files.

This module is an application external to **TopKapi**, which uses the data stored in log and graph sampling files for the off-line generation of summaries which may contain:
▸ Running time and fault time counting with percentages and average times
▸ Event counting (e.g. number of starts, faults…)
▸ Analog measurement processing (average, min., max., standard deviation)
▸ Index processing (raw value, consumption)

The processing is performed over a combination of basic periods (week/year or day/month/year). Finally, this module lets you accumulate the values of different variables over a given period...

SPECIFICATIONS

FONCTIONS

BOOLEAN DATA:
▸ Accumulated time (Stop,run,faults), percentage time, mean time
▸ 0 to 1 and 1 to 0 transition counters, fault counters
▸ Mean time between two faults

ANALOG DATA: Mean, minimum, maximum, standard deviation, integral value, time or number of events in/out a given interval (quality control)
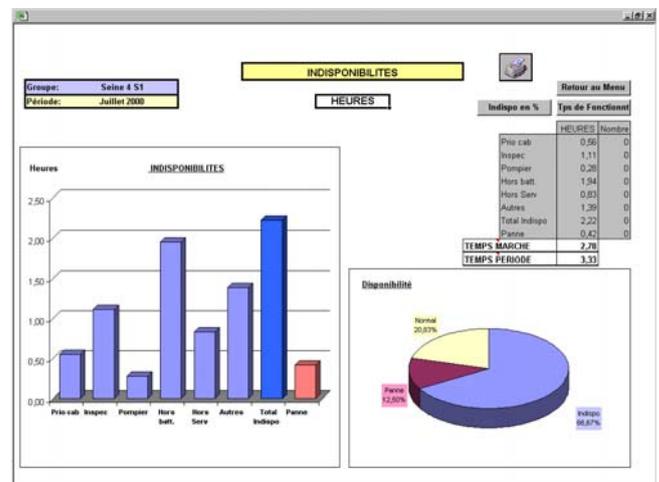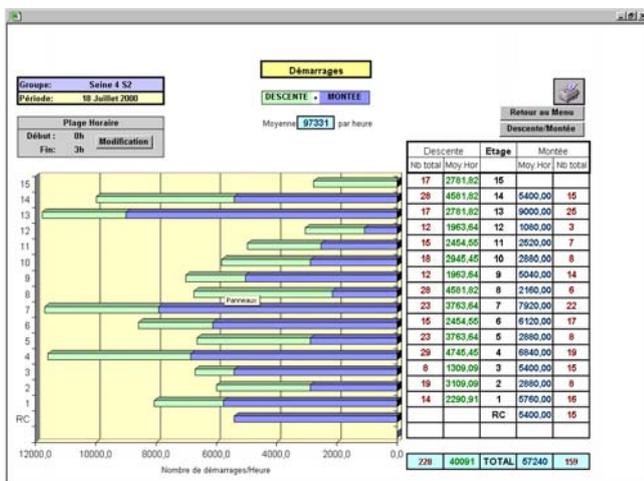
INDEX: Index gross value (at end of period), end - beginning difference (consumption)

PERIODICITY
▸ The available periods for summarizing are: hour, day, week, month and year; the starting point of the periods is free (e.g. a month may begin on the fifth day at 9:35 a.m.).
▸ Periodic refreshment of summaries is freely performed through TOPKAPI parameterizing: event, or free period.

SUMMARY

From reports generated for a basic period (e.g. day), it is possible to generate automatically the same reports for nested periods (e.g. month, year). The "in depth" function allows calculation for one value of the successive reports, for instance mean water consumption over each Sunday of the year.

PRESENTATION

The results can be displayed in a standard web browser (html, txt, xls[1]; EXCEL viewer required in the lastest case for OLE display).

Data can also be displayed in the **TopKapi vision** application (graph trends, current value).

[1] *EXCEL licence required on the processing computer (viewer only on the display computer)*