# SAPHYMO

# *Flexidose NPP Software*
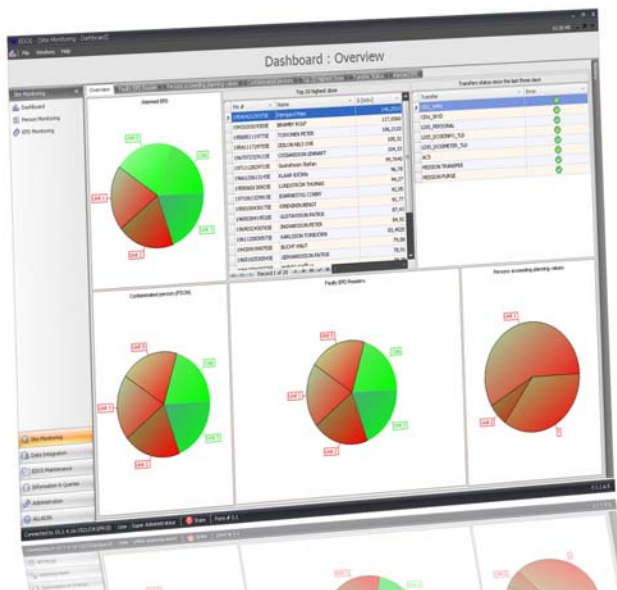
The solution for dosimetry management

## Characteristics

- Real time control of accesses to controlled area

- Monitoring of doses and cumulated doses

- Management of entrance/exit and anomalies

- Management of all dosimetry system parts (Dosimeters, Readers…)

- Addition of customized field

- Multi sites management

- Integrated connection (export to top data base, company dosimetry / staff / area, …)

- Easily customized reports according to occupational criteria

- User interface easy to configure and customize

- User friendly interface (graphs, curves, …)

- Sturdy data base (SQL or Oracle)

- Easy and quick installation



## Presentation

Flexidose NPP is the latest generation of individual and collective dosimetry management software developed in house by Saphymo. It supervises efficiently all dosimetry activities. Flexidose NPP provides a reliable and user friendly tool for people in charge of dosimetry management (health physicists, doctors, ...).
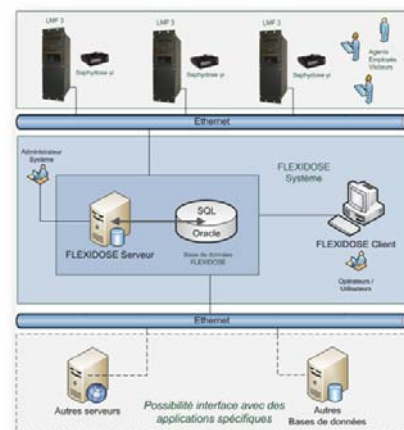
In particular, Flexidose NPP can automatically handle access authorisations to controlled areas (communication with LMF3 readers through Ethernet network...) according to several criterias (medical visit validity, regulatory dose threshold control,...). Flexidose NPP gathers all necessary tools for several sites or reactors dosimetry management.

### Main characteristics

- Real time allocation of dosimeters (name of the staff registered in the dosimeter, dose equivalent and dose equivalent rate alarm and pre-alarm thresholds)
- Dosimetry data management sorted by staff, by companies, ...
- Work orders and groups of work order management
- Entrance/exit (authorisation, checking, ...) management
- Areas and sub-areas management
- Data stored in the LMF automatic recovery (in case the network connection is suspended)
- Automatic setting of all dosimetry system items time
- Entrance and exit anomalies management
- Editing typical reports (export to other data base, dosimetry sorted by company / staff / area, …), and editing easily customized reports
- Flexibility: insertion of additional fields, modification of user's interface, advanced filters making the data reading easier, …
- Dosimetry from several sites centralization



## Related Products

- Saphydose Gamma i operational Dosimeter
- Saphydose Gamma i operational Teledosimeter
- LMF3 Dosimeter reader
- Subarea markers

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## Functional Characteristics

### Automatic data centralization
- Automatic recovery of recorded data in dosimeters
- Display of staff route
- Mission real time monitoring

### Access control and dosimeter setting
- Recording of the staff name when entering the controlled area
- Setting: dose equivalent and dose equivalent rate pre-alarm and alarm thresholds according to different criteria (work order, total cumulated dose, ...)
- Access authorizations according to several criterias (medical visits, work order, ...)

### Management of entrance/exit
- Detection of access anomalies
- Algorithm for checking the consistency of access to controlled area (example: exit without entrance)
- Workers distribution (in or out of the controlled area)

### Staff Management
- Medical visit validity checking
- Worker group type
- Working contract type (long term, short term, …)
- Training/educational background type
- Company affiliation

### Management of individual dosimetry
- Operational dosimetry monitoring
- Legal dosimetry data insertion
- Entrance/exit and work order log

### Management of group dosimetry
- By work order and work order group
- By area and sub-area
- By company/site

### System unit management
- Dosimeters allocated to staff
- Dosimeters calibration validity date verification
- Equipment in maintenance monitoring

### Exports and customized reports
- Exports to other data base
- Reports by staffs, companies, tasks, areas, ...
- Mail to companies
- Events log
- Customized reports

### Advanced user interface
- Data filter can be customized
- Different graphic interface available
- Advanced filters facilitating data search
- Display can be customized (addition of specific field)

### Management of system and security
- Network Status
- Remote control, configuration and update of readers
- System configuration
- Password secured access
- Establishment of users profiles (clearance management, ...)
- Data and functions open available to specific user's profile
- Encrypted communication customer / server
- Multi-languages

## Options

- Interface with other dosimetry database
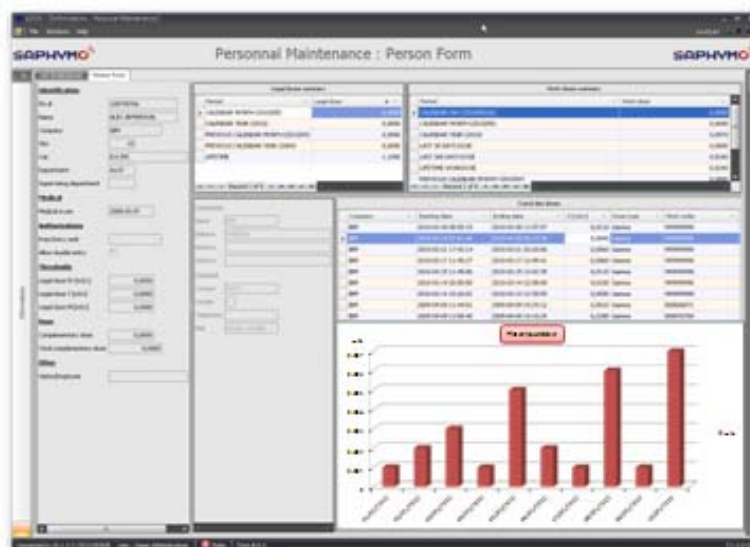- Data saving with database duplication

## Equipment configuration

### Server side
- Operating system : Windows XP / 2003 Server / 2008 Server
- Data base : SQL Server (2005 / 2008)  / Oracle (10g)
- Other specifications according to applications

### Client side
- Operating system : Windows XP / 2003 Server
- Other specifications according to applications



Employee Sheet (Daily dose)