

## VERAO®, visit assessment and computerised readings



VERAO® is an application developed by SITES which enables the inspections of structures or parts of structures according to the client's points of reference (nature of visits, plan...). This tool enables you, as early as the field study, to map the disturbances observed via a PC tablet whilst also generating a detailed database.

You can configure the tool as much as you want in order to provide data that corresponds to the client's expectations (presentation of data, characterisation and criteria of the classification of defects...).

VERAO® ensures:

- › The homogenisation of readings and the clarity of assessment reports.
- › The reliability of the data (automatic transcription of readings).
- › Supply of information necessary for the analysis of problems.
- › The aggregation of data for monitoring the ageing of structures.

### Areas of application

This application is used to carry out on-site visual assessments of structures, or parts of structures, which have certain functional requirements.

› **Watertightness (protection of and against the environment, against flooding, etc...):**

Retention walls.  
Collection areas.  
Buildings' infrastructure.  
Roofs and eaves...

› **Civil Engineering Structural integrity:**

Aprons.  
Metallic framework.  
Ventilation ducts.  
External cladding.  
Posts...

› **Protection of subjectiles:**

Decontaminable surfaces.  
Chemical protection surfaces.  
Anti-corrosion surfaces...

› **Fire protection:**

Shafts and crossways.  
Fire doors.  
Siphons and ventilation holes.



### Clients

VERAO® has been used for several years to monitor the ageing of structures as part of the Basic Civil Engineering Maintenance Programmes of French Nuclear Power Stations.

# Visual assessment

## Operating principle

### ► Phase 1: identification of the client's needs

Preparation for the basis of assessment and configuration of the types of problems likely to be detected, depending on the checks to be undertaken and the type of structure.

Inspection d'un défaut

Nom : 3010 ☒ Numéro auto

Famille RA - Défaut du revêtement armé Type de défaut blessure(s)

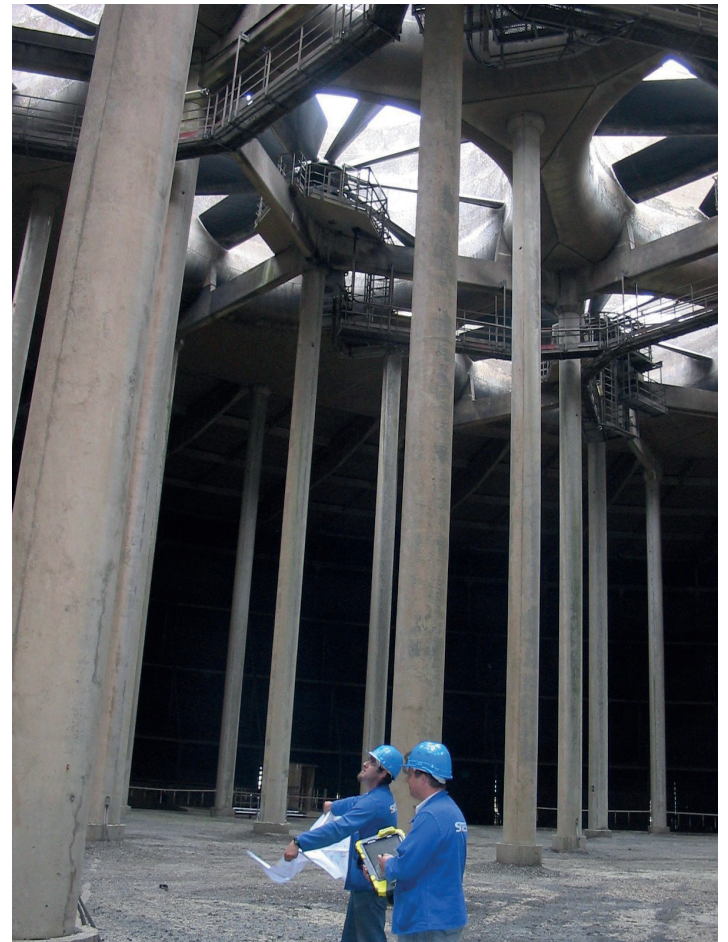
Nombre 1	Matériau impacté RA	Défaut de conformité <input type="checkbox"/>
Caractère traversant T	Longueur (cm) 1	Largeur (cm) 1
Trace -	Commentaire interne -	Commentaire Fibre dégradée
Photo 1 12	Photo 2 13	

Enregistrer Annuler



### ► Phase 3 : producing the report

Automatic computerised drafting of the data: assessment report, classification table of problems (sorted by age and ranked by classification case per case), photo annexes, worksheet (concatenation on one page of the information relative to a problem (localisation plan, description and photos), extensive database with a hypertext link to the data mentioned above.



### ► Phase 2: on-site assessment

Search for pathologies, characterisation of problems observed, localisation on a plan, photos linked to the problem detected, integration of the inspection and observation(s) of the structure.

EDF - CNPE DE CATTENOM  
PALIER P4  
EMEC / 18 020  
MAINTENANCE PREVENTIVE GC - CONTROLE  
DE LA RETENTION DE LA BACHE P78

Fiche travail  
27/01/2016

TRANCHE TRI BAT. PTR

Caractéristiques

Analysis of the problem

Tracking plan

Recommended course of action

Photo of the problem