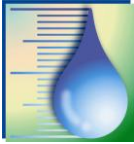


PAPERI Environnement & Mesures

- Services corresponding to the statutory obligations (*New law suits on the water 2007*) and to the standards relative to the measure in water's network
- Interventions as well on works of water treatment as in natural environment
- Our values :

Objectivity,
Quality,
Ability to react,
Nearness,
Confidentiality

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FOREWORD

The European directive on the water 2007 establishes a setting for a common policy on the following bases :

1. Harmonize the management of the water at the European level
2. Protect in the long term the aquatic environment
3. Protect water ressources.

The big principles of this directive are clearly established:

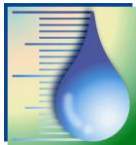
- The necessity of a integrated policy of the water.
- Principles of precaution and preventive action.
- To correct by priority at the source of affected on the environment.
- The principle of Pollutant - payer .
- To recover the services costs with the users
- To take the decisions at level so close as possible of the places of water's use or degradation.
- The participation of the public , as the key of the success.

The directive 2007 implies

- To realize a coherent inventory of fixtures on the water's quality and on the hydraulic streams.
- To engage corrective shares on the sensitive zones,
- To follow continuously the quality of the receiving middle
- To value the output on the resource in water

In this spirit ,PAPERI environment and Measures propose you a set of services , by applying to master well all the stages :

- Coherent inventory of fixtures
- Measures proposed according to the hydraulic parameters and according to the instrumental imperatives
- Exploitation of the informations
- Objective report adapted to problems established during the project



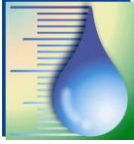
1. ORGANIZATION AND ABILITIES

The organization of PAPERI environment and Measures is applicable with all interlocutors of the Water market: industrials, research offices, local authorities and water companies.

We engage adapted measures to answer in best your expectations:

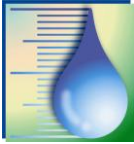
- A recognized metrology by the specialists in the water's diagnosis (purification or drinking water), and in research for leaks.
- A technical expertise in instrumentation adapted to the constraints of sites, to the installation's recommendations and to the regulation directives.
- Experimented teams of intervention , in binomials or trinomials.

Mr PAPERI	Thierry	Manager
Mr DALLE	Eric	Responsible for development
Mad WESTERMANN	Olivia	Quality , Administrative and financial Manager
Mr SCHLOTZER	Thomas	Responsible for SOUTH agency
Mr PILLET	Franck	Technical Responsible SOUTH
Mr MARIANGELI	Laurent	Technical Responsible EST
Mr MILLOT	Hervé	Responsible for business
Mr KETHIB	Rachid	Technician
Mr PERROT	Gregory	Technician
Mr SILVAN	Emilio	Technician
Mr FINCK	Christian	Technician
Mr MEYER	Romarc	Technician



- An intervention capacity at the European level.
- An adjusted cost of service :
 - Cost a Day intervention technician in measure: **330 € HT.**
 - Cost Harms intervention technician in measure: **400 € HT.**

PAPERI environment and Measures produce , for his customers , services in a complete independence, to guarantee the best objectivity and assure the most total confidentiality.



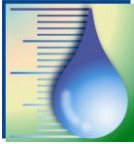
2. Services relative to the sector "Protection of the receiving environment" of the Directive setting 2000/60. (Purification, Superficial Waters and Groundwaters)

1-Ground's investigations to create or complete the statements missing on the network.

- **Creation of recollement's plans** (Autocad).
- **Topographic's statements** NGF (GPS).
- **Network architectures:**
 - positions of the man-holes
 - Diameter ,form and nature of the channelling
 - Direction of drainage
 - Positions and technical descriptions of the specific works (overflows of thunderstorms; surverses)...

2-Diagnosis of purification's and pluvial's networks.

- **Inventory of the direct refusals:**
 - inventory of the releases with localization.
 - Demarcation of the overturning upstream pond.
 - Origin of effluents.
 - Estimation of streams.
- **Estimation of the parasitic refusals** (calculation of the rates of parasitic clear waters, points of entrance, ...).
- **Drawing's campaigns** in order to obtain analyses in laboratory (physico-chemical parameters).
- **Detection of network's anomalies :**
 - Opposite slope.
 - Deposits.
 - Obstructions.



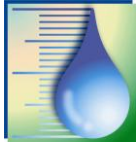
- **Inquiries of connections :**
 - Target Customers: private individuals; manufacturers; farmers..
 - Tests in the smoke:
 - Inversion of connection.
 - Illicit Connection.
- **Campaign of pluviometry**

3-Preliminary hydro-pedological Study in the non-collective purification.

- **Recovery of the information** concerning the sector of study (cadastral plan, cup and diverse plan concerning the hydrogeologic and environmental construction, the data)
- **Detailed inquiry** allowing to collect informations on the existing system of purification.
- **Ground's investigation** by earth boring with manual auger and by test of permeability of type Porchet.
- **Realization of a complete report** resuming all the observed datas and allowing to make a decision with individual purification to set up.

4-Detailed fragmented Diagnosis.

- **Detailed inquiry** allowing to collect informations on the existing system of purification.
- **Global control of the system** (hydrocleaning out, test in the smoke, tinting, the test of permeability Porchet, earth boring)
- **Topographic's statements**
- **Realization of a complete report** resuming all the observed datas.
- **Recommendation and sizing** of the abilities adapted to the situation.



5-Diagnosis on superficial waters.

- **Metrology:** gauging; tarage.
- **Automatic drawing's campaigns** in order to obtain analyses in laboratory (physico-chemical parameters).
- **Measure of physico-chemical parameters** in situ.

6-Diagnosis on deep waters and on groundwaters.

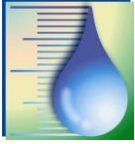
- **Metrology:** level measure.
- **Automatic drawing's campaigns** in order to obtain analyses in laboratory (physico-chemical parameters).
- **Measure of physico-chemical parameters** in situ.

7-Diagnosis on the classified installations.

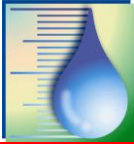
- **Unexpected control** over refusals of industrial effluents: balance sheet 24 hours. Network diagnosis and followed refusals.
- **Expertise** on the equipments to envisage on the refusal's points .

8.Equipments in self-supervision: networks; dépurations factories; manufacturers; natural environment.

- **Putting in self-supervision** of the purification and pluvial networks:
 - Recommendation and choice of the measure's tools.
 - Implementation and validation of the points of measure.
- **Putting in self supervision** of wastewater treatment factories.
 - Recommendation and choice of the measure's tools.
 - Implementation and validation of the points of measure.
- **Putting in self supervision** of the points of refusals in the classified installations.
 - Recommendation and choice of the measure's tools.
 - Implementation and validation of the points of measure.



- **Setting systems of recovery and of data's exploitations:**
 - **Systems of nearness: recorders or portable PC.**
 - Recommendation and choice of the tools of measure.
 - Implementation and validation of the points of measure
 - **Systems of remote processing: RTC or GSM**
 - Recommendation and choice of the tools of measure
 - Implementation and validation of the points of measure



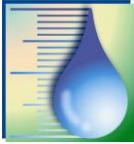
3. Services relative to the sector "Preservation of the resource in drinking water" of the directive setting 2000/60.

1- Ground's investigations to create or complete the statements missing on the network.

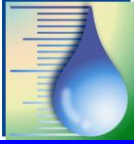
- **Creation of recollement's plans** (Autocad).
- **Topographic's statements** NGF (GSM).
- **Network architectures:**
 - positions of the gate's keys
 - Diameter ,form and nature of the channelling
 - Direction of drainage
 - Positions and technical descriptions of the specific works (overflows of thunderstorms; surverses)
 - Meshing of network...

2- Study of the network's output

- **Diagnosis of drinking water' network** (AEP):
 - Measure of the pressures on the network.
 - Measure of the delivery on the network: volumetric meters.
 - Calculation of the network'output.
 - Diagnosis of posts fires: delivery and pressure.
 - Diagnosis on problems bound to the "knocks of rams".
 - Diagnosis of the levels on water towers and reservoirs.
- **Service of research for leak** (Municipal or private network)
 - Validation of the division into sectors of the network
 - Localization



- Correlation.
 - Listening on the ground.
 - Filing and report
 - Support of nearness during the phase of repair.
- **Equipment in self supervision of the drinking water's networks.**
 - Sectorisation :
 - Recommendation and choice of the tools of measure.
 - Implementation and validation of the points of measure
 - Setting system of nonstop follow-up of the leaks :
 - Recommendation and choice of the tools of measure.
 - Implementation and validation of the points of measure
 - **Setting systems of recovery and of data's exploitations:**
 - Systems of nearness: recorders or portable PC.
 - Recommendation and choice of the tools of measure.
 - Implementation and validation of the points of measure
 - Systems of remote processing: RTC or GSM.
 - Recommendation and choice of the tools of measure.
 - Implementation and validation of the points of measure



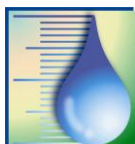
4. Advice and Expertise

1- Advice and expertise on the instrumentation intended for the network's measures, in wastewater treatment factories, in reservoirs and in the natural environment.

- **Recommendations** of installation.
- **Technical constraints** bound to the site.
- **Statutory Wakefulness** for the instrumentation.
Standards current and methods of measures (AFNOR; ISO; Microcomputing methods):
 - Methods of analysis normalized in the laboratory (AFNOR: standards NFT)
 - Main parameters within the obligations of refusals by the manufacturers:
 - General parameters: delivery, temperature and pH.
 - Global criteria: suspension materials (M.E.S.).
 - Additional parameters: nitrogen and nitrates.
 - Automatic drawing .
- Business intelligence on the measure's and drawing's equipments.

2- Advice and expertise on the methods of investigation for the measure in network.

- **Network purification.**
- **Pluvial Network.**
- **Network of drinking water.**



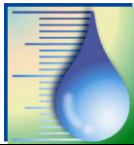
5. References of PAPERI Environnement & Mesures.

1. In diagnosis services of purification network, collective or not collective

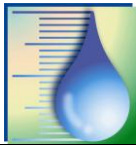
Clients	Year of work	Study office - Project Manager	Certificate s- Ability
Year 2004			
Général Motors (67)	2004	Terreo Mr Roszec	X
SIAAL of Longwy (54)	2004	Safege Mr THOMAS 03 88 20 07 97	X
Commune of Rouvre (54)	2004	Safege Mr THOMAS 03 88 20 07 97	
Commune of Joudreville (54)	2004	Safege Mr THOMAS 03 88 20 07 97	
Commune of Niederschaeffolsheim (67)	2004	Safege Mr THOMAS 03 88 20 07 97	
Year 2005			
SIEP of Piennes (54)	2005	Safege Mr THOMAS 03 88 20 07 97	
Commune of Pagny sur Moselle (54)	2005	Safege Mr THOMAS 03 88 20 07 97	
Community of communes Bugey-Arene-Furans (01)	2005	Atlas. Mr Nour Madid	X
Community of communes la Vallée Doller & du Soultzbach (68)	2005	Safege Mr THOMAS 03 88 20 07 97	
Town of Héricourt (70)	2005	Safege Mr THOMAS 03 88 20 07 97	
Community of Shkodra (Albania)	2005	German office KICO M Meistermann	
Year 2006			
Community of communes Country of Thann (68)	2006	Safege Mr THOMAS 03 88 20 07 97	X
Community of communes Tulois (54)	2006	Atlas. Mr Rodary	
Commune of Hettange (57)	2006	Safege Mr THOMAS 03 88 20 07 97	
Commune of Val de Gueblangue (54)	2006	Concept Mr Lambert	
Commune of Mittersheim (57)	2006	Safege Mr THOMAS	

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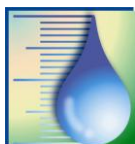
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		03 88 20 07 97	
Communauté de communes Country of Thann (68)	2006	Safege Mr THOMAS 03 88 20 07 97	X
Commune of Prizren (Kosovo)	2006	German office KICO M Meistermann	
Sivom of l'Alzette (57)	2006		
Year 2007			
Community of agglomeration of Grand Avignon (84)	2007	EGIS Montpellier Mr Michaux 04 67 99 22 49	X
Community of agglomeration of sector Illfurth (68)	2007	Sogreah Strasbourg Mr Tête 03 88 27 50 81	X
Town of Roanne (42)	2007	Euryèce Mr Gamin 04 75 04 78 24	
Trade association of Albevenettes (88)	2007	LDE	
Commune of Pargny (57)	2007	Safege Mr THOMAS 03 88 20 07 97	
Commune of Sarreguemines (57)	2007	OTE Mr Pierrat	
Commune of Verneville (57)	2007	Ginger Strasbourg Mr Millot	
Commune of Vittel (88)	2007	Ginger Strasbourg Mr Millot	
Commune of Bure (88)	2006	Ginger Strasbourg Mr Millot	
Commune of Châteauvillain (57)	2006	Ginger Strasbourg Mr Millot	
Intermunicipal trade association of purification of Bettlach (68)	2007	Amodiag Valenciennes Mr Mouy 03 27 20 11 80	
Community of communes / Sector of Berre/Rognac (13)	2007	Sogreah Marseille Misses Khaznagi 04 91 17 00 00	En cours
Community of agglomeration of Sète (34)	2007	EGIS Montpellier Mr Michaux 04 67 99 22 49	En cours
Community of communes of Val de Semouse (70)	2007	Atlas. Mr Rodary	
Community of communes of Toulous (54)	2007	Atlas. Mr Rodary	
Community of communes of Country of 2 Sarres (57)	2007	Safege Mr THOMAS 03 88 20 07 97	
Commune of Kappelkingen (57)	2007	Pial Concept Mr Lambert	
Commune of Wirmingen (57)	2007	Pial Concept	

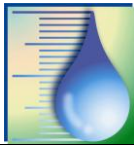


		Mr Lambert	
Town of Hyères (83)	2007	EGIS Montpellier Mr Michaux 04 67 99 22 49	En cours
Town of Brignoles (83)	2007	EGIS Montpellier Mr Michaux 04 67 99 22 49	En cours
Town of Tarascon (30)	2007	EGIS Montpellier Mr Michaux 04 67 99 22 49	En cours
Community of agglomeration of Cherbourg (50)	2007	Amodiag Valenciennes Mr Labrousse 03 27 20 11 80	En cours



2. In diagnosis services of drinking water's network.

Clients	Year of work	Study office - Project Manager	Certificates - Ability
Année 2007			
Commune de Gérardmer (88)			
Commune de Clermont en Argonne (53)			
Commune de Moyenmoutier (88)			
Commune de Arnould (88)			
Commune de Presles (88))			
Commune de Saint Nabor les Remiremont (88)			
Commune de Vaucouleurs (88)			
Commune de Saint Léonard (88)			
Commune de Mirebeau sur Bèze (25)			
Commune de Nantois sur Ornain (88)			
Commune de Mirecourt (88)			
Syndicat des eaux de Sundhouse-Wittisheim (67)			
Commune de Somberton (25)			
Commune de Sarrebourg (54)			
Commune de Vilsberg, Vescheim, Zilling & Hangviller (54)			
Commune de Plainfaing (88)			
Commune de Paris			
Commune de Bussang (88)			
Commune de Echenoz (73)			
Commune de Laneuveville vivier (Meurthe et Moselle)			
Commune de Cezy (Haute seine)			
Commune de Thiaville (54)			
Commune de Drulingen (67)			
Commune de Darnay (88)			
Commune de Fraize (88)			
Sivom Centre Ornain (55)			
Commune de Reynel (52)			
SIA Bayon Virecourt (54)			
Commune de Baccarat (54)			
Canton de Ferette (68)			
Commune de Senones (88)			
Commune de Loray (25)			



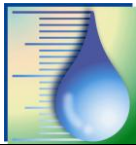
Sivom de Haute Moder (67)			
SIAE Eichel Supérieur			
Commune Saint Marc (21)			
Commune de Bruyeres (88)			
Commune de Aubergenville (72)			
Syndicat des Eaux de Drulingen et environs (67)			
Commune de Schweighouse sur Moder (67)			
Commune de Saizerais (54)			
Commune de Florensac (34)			
Commune de Viller la Montagne (54)			
Commune de Saint Bres (34)			
Commune de Oberhoffen sur Moder (67)			
Commune de Faulx (54)			
Commune de Oermingen (67)			

3. In services of research for leaks.

Clients	Year of work	Study office - Project Manager	Certificates-Ability
Year 2007			
Commune Echenoz (Haute Saône)	2007	Research for leaks et and récurrent contract for 25 km network (Every 3 months)	
Elyo Nord Est		Acoustic correlation in the hot water's network	
Safege Poissy		Acoustic correlation in the hot water's network	
Commune of CEZY (Haute Saône)		Research for leaks Correlation system in network	
Safege (13)		Research for leaks in 5 communes in Corsica	
Safege (13)		Research for leaks in 1 village of Hautes Alpes (05)	
Trade association of Beuzeville (50)		Research for leaks in 50 km of network AEP	
Commune of Arnouville les Gonesse		Research for leaks by acoustic correlation	
Commune de Loray (25)		Research for leaks by acoustic correlation	
Commune de Saint Marc (25)		Research for leaks by acoustic correlation	
TISCO (67)		Research for leaks by acoustic	

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		correlation in site "Auchan"	
Commune de Laneuville et vivier (Meurthe et Moselle)		Research for leaks by acoustic correlation	
Sogea Est		Research for leaks by acoustic correlation in site SEITA Strasbourg	
Commune de Eichoffen (67)		Research for leaks by acoustic correlation in site Tanneries HAAS	
Commune de Wantzenau (67)		Research for leaks by acoustic correlation in site Endel	
Commune de Florensac (34)		Research for leaks by acoustic correlation	
Commune de Gamaches (80)		Research for leaks by acoustic correlation	
Commune de Reichstett (67)		Research for leaks by acoustic correlation	
Commune de Reichstett (67)		Research for leaks by acoustic correlation in site Clemenz	
Commune de Obernai (67)		Research for leaks by acoustic correlation in site Bore & Fils	
Commune de Saizerais (54)		Research for leaks by acoustic correlation	

4. In services of self supervision and permanent diagnosis.

Clients	Year of work	Study office - Project Manager	Certificates-Ability
Year 2007			
Waterways of France Company	2007	Setting many control's points (height ,speed and delivery) in canals.	
Town of Dijon	2007	Setting many control's points (height ,speed and delivery) in network purification.	
Town of Paris	2007	Setting many control's points (height ,speed and delivery) in network purification.	
Town of Echenoz	2007	Setting many control's points (speed and delivery) in network purification - Alarm administration of the drinking water's network	