



**Only a dry house is a good house or:
If you want to drain a swamp don't ask the frogs!**

Christoph Schmidt (Owner)

Engineering and Innovation Consulting
Global Assistance

> Energy Efficiency in Local Authorities and Public Buildings <
Tel Aviv, November 18th, 2013



Christoph Schmidt – the mind behind it

- Owner and founder of Global Assistance, established in 1992
- Service Engineer in plasma etching equipment (USA)
- Specialized in drying and renovating buildings
- Owner of one of the first, self designed passive houses since 1989 with a classic chimney effect for a better housing climate
- Main product: **Drytronic**[®] – Moisture Removal Control Systems
- Energy efficiency in products and production
- Consultant and hands-on solution finder
- Certified trainer of personnel





Member since 2008

Federal Ministry of Economics and Technology

Export Initiative Energy Efficiency

Certificate

This company is part of the export initiative energy efficiency.
With energy efficient products and services of matters
in energy efficiency

Global Assistance

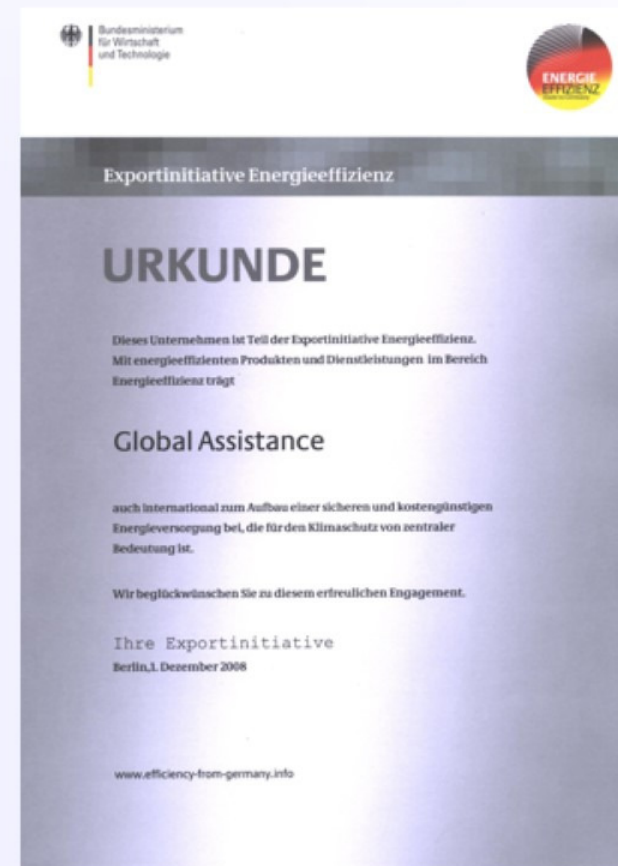
internationally also takes part in building up a secure and low cost
energy supply, which is of eminent importance for climate protection.

We congratulate You for your pleasant commitment.

Your Export Initiative

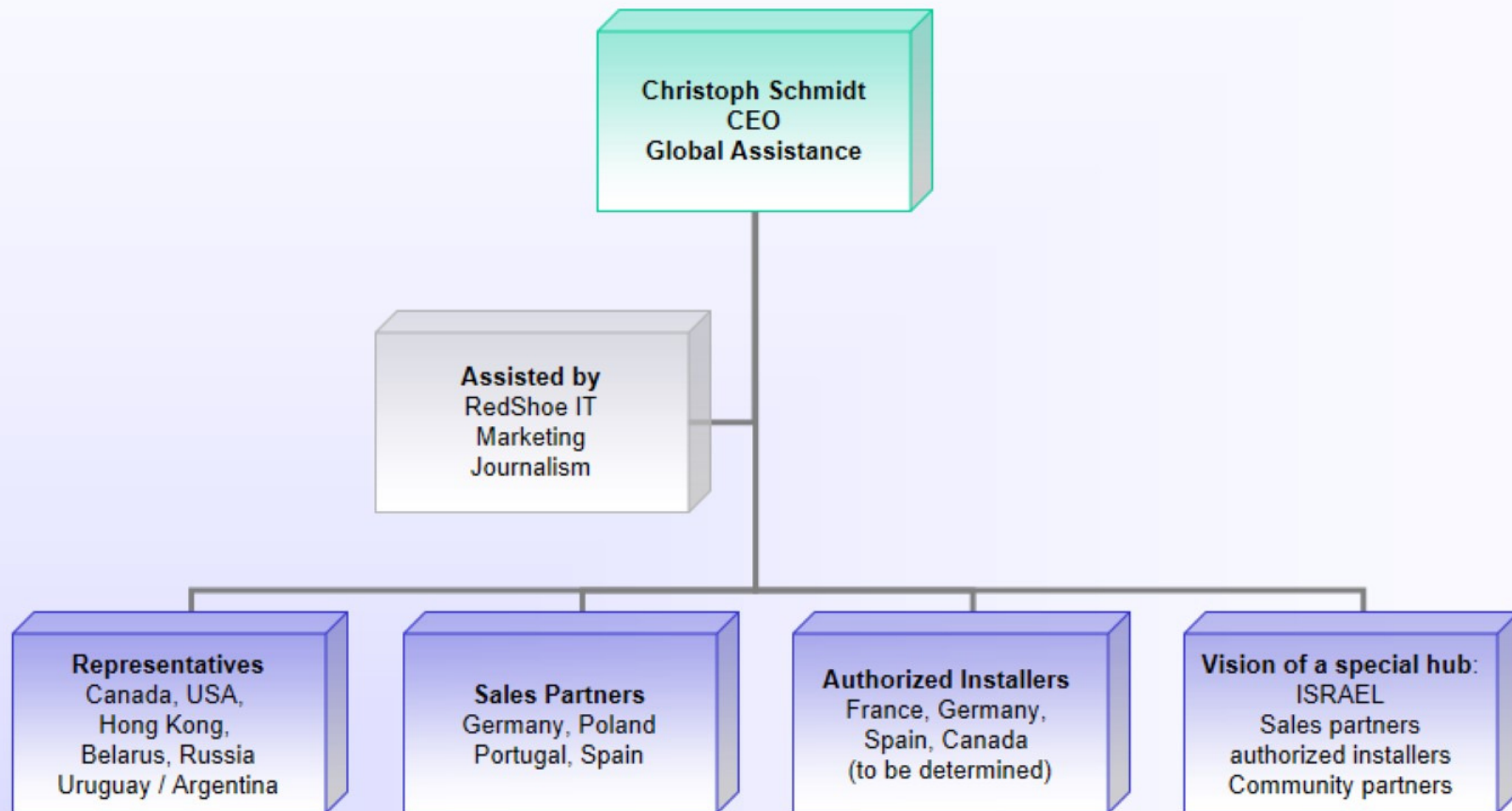
Berlin, December 1 2008

www.efficiency-from-germany.info/en





Global Assistance - Lean Management





Classic outside – comfortable, healthy climate inside



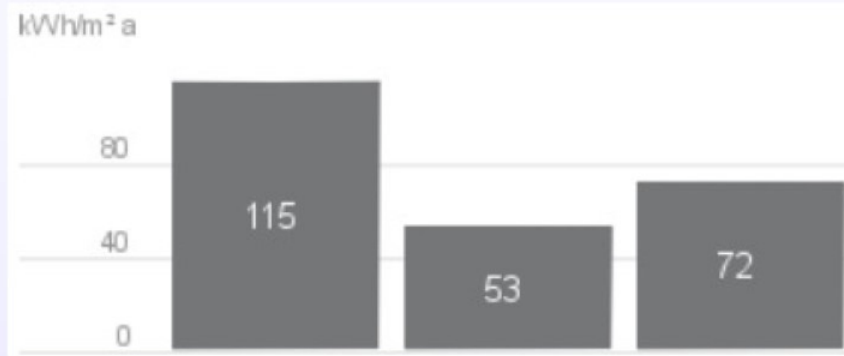
$$U = < 0,2 \text{ W/m}^2\text{k}$$





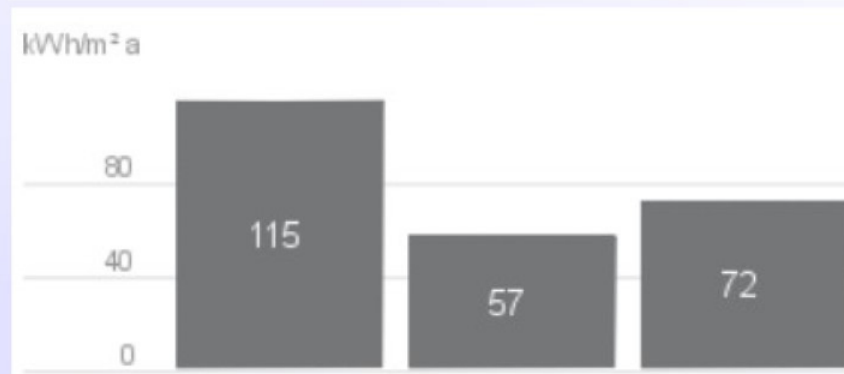
My House with 50+ % Energy Saving Potential

2011



average
seasons

2012



long
ugly
winter



Self Regulating < 50 W circuit versus Heat Pump



3kW Pool Heating with 32 ° C @ Δ 5 ° C

Water Cooling & Air Conditioning by Mass





Herodion Royal Chambers Preservation Project





A wet base will ruin any house!





Drytronic® changes the industry



>throw together
what we know
and get the best out of it<



Drytronic® electrochemical moisture blocking

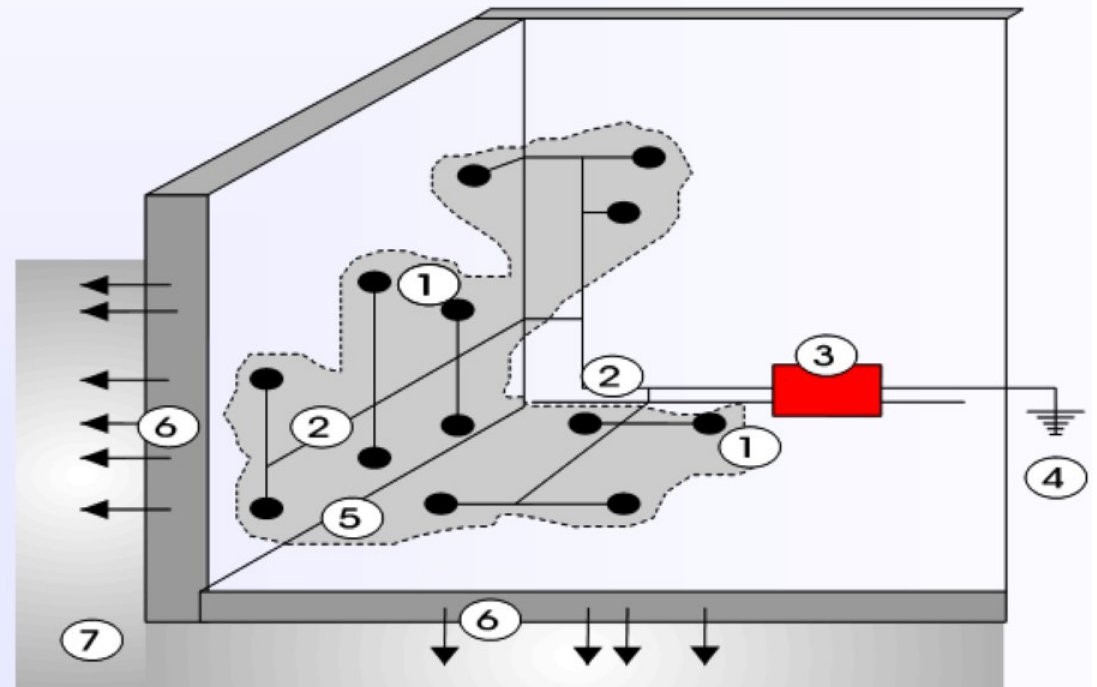
Main features:

- low voltage
- graphite mortar mixture
- graphite electrodes
- fully automated, permanent device
- scientifically approved
- international references
- childproof



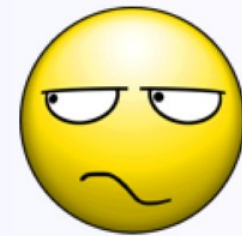
Installation scheme - basement

- 1) electrodes
- 2) wiring
- 3) Drytronic® control unit
- 4) PE (earth protection)
- 5) treated surface
- 6) working direction
- 7) ground



Drytronic® – intelligent calculation

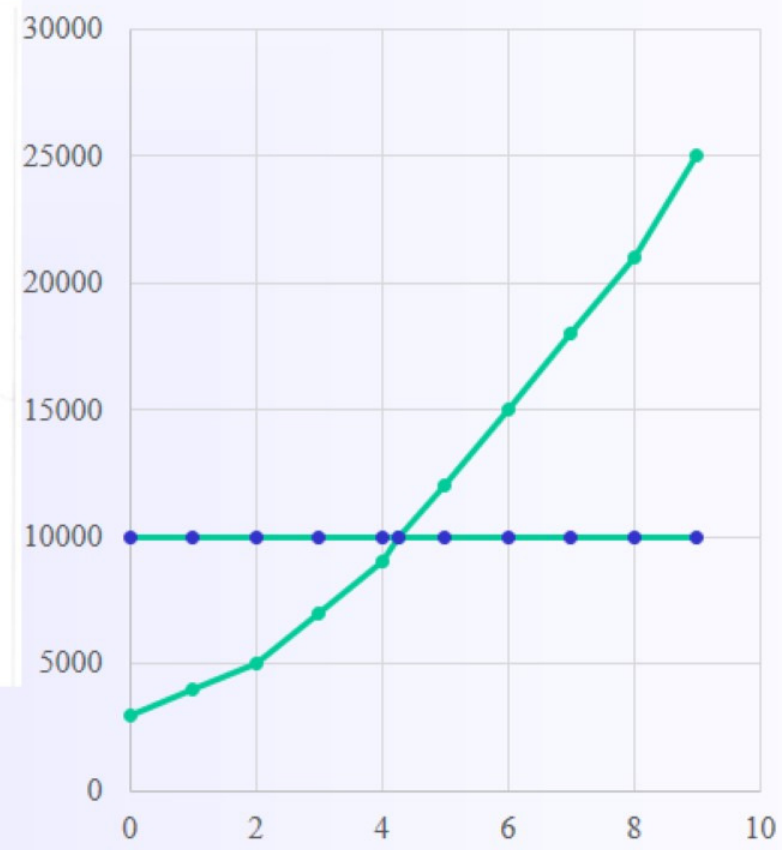
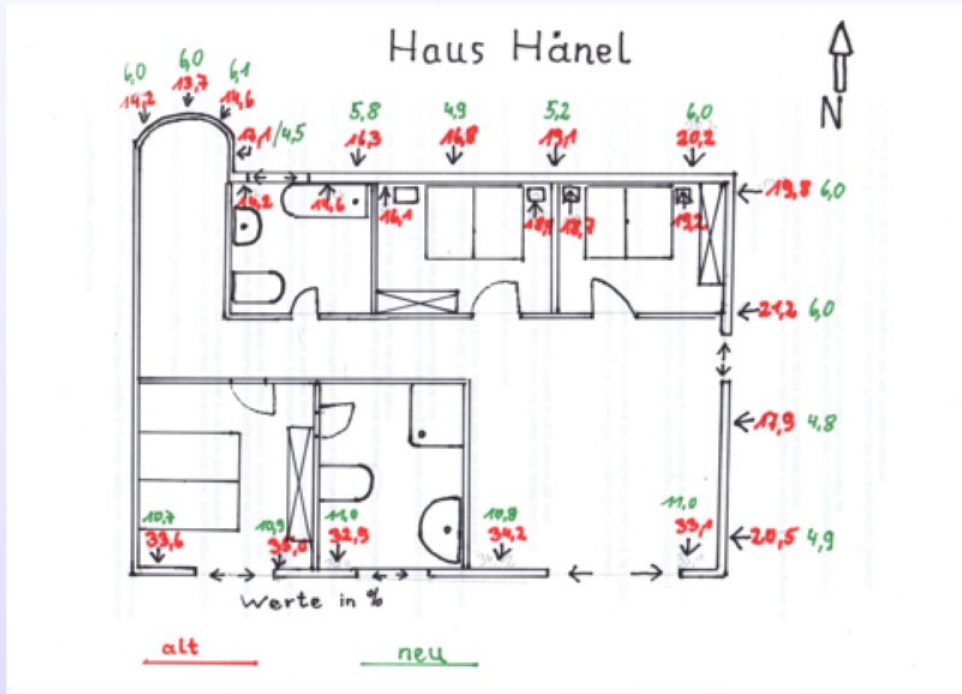
Actual value of the - wet - house	100 %
+ Experts to find the possible causes	- 6 %
+ classic heavy duty improvement attempts could exceed	- 50 %
<u>value gain</u>	+ 15 %
New value of the house (that still has to ,dry“ in some way over time)	59 %



Actual value of the - wet - house	100 %
+ Drytronic® Expert to find the possible causes	- 0.5 %
+ Drytronic® system and certified contractor (average / max)	- 9.5 %
<u>value gain</u>	+ 15 %
New value of the dry house	105 %



Amortisation in 4 ¼ years vs some standard ... redoing





Drytronic® – intelligent technology

Israel has, as most European countries, a large number of old yet valuable buildings that have wet basements and wet walls. This is not only unhealthy to live in but also destroys the whole object within a few years.

Israel has a huge number of talented, motivated workforce with an international reputation.

With Drytronic®. Global Assistance would not only deliver a product which dries entire basements, walls and floors, while therefore creates a healthy living environment, but also supplies an intense staff training.

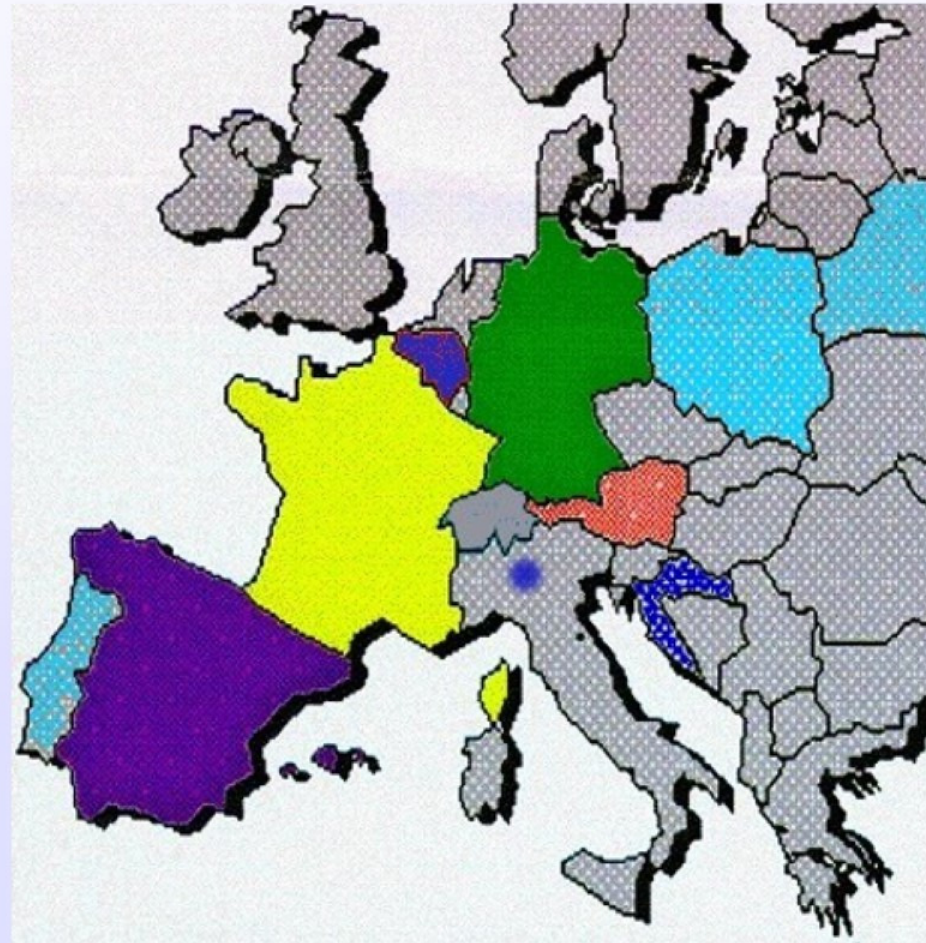
At the end of such training, each trainee will receive a certificate that acknowledges, that the trainee is a certified Drytronic® technician.





Drytronic® – representations:

→ Europe with Canary Islands and Canada, USA ...



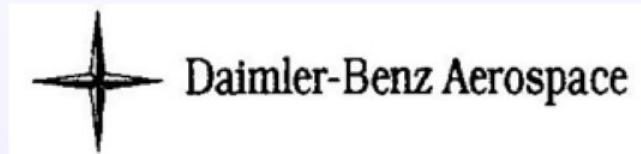


Drytronic® main reference objects





Global Assistance - main international references





Global Assistance - main international statements

Your kind wishes have touched me.

I hope that 1995 will become a happy and successful year for you and the ones you care.

>Francois Mitterand, former President of France<

I congratulate myself for this choice, but primarily I congratulate you for the development of the system, its fabulous performance and its great durability.

>Mr. Gaudineau, house owner, Paris France<

After several days the wall was dry and the odeur and humidity (wetness) was gone.

>Mr. Gaido, heritages Uzès <

The first successes were already realizing after several days. After several weeks the drying was completed.

>Dr. Obirey, renovation expert, Viterra (former VEBA)<

Completely saturated cave basement (result similar as above) The room is now in use for paper storage.

>Mr. Hensler, city construction, Ludwigsburg<

The result can be called sustainable dry ... even the water pressure and rising dampness is still very high.

>Mr. Braunbeck, Consulting Architects, Ludwigsburg<

Customer asks if it can be true when he saw even the tile gaps drying - through the wall - over the weekend.

>Mr. Schumacher, CanSec S.L.<





THANK YOU VERY MUCH FOR YOUR KIND ATTENTION!

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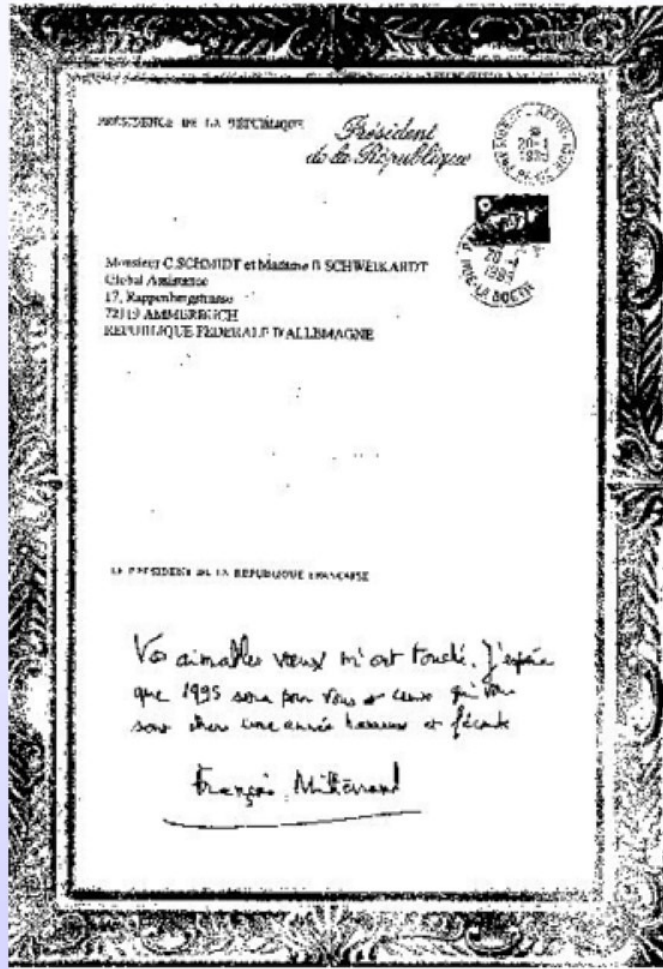


Next files are for the handout





Global Assistance – letters of recommendation



Mr Bernard GAUDINEAU
11, rue du Parc de la Montagne
94500 Champigny sur Marne
FRANCE
☎ : 01 48 81 87 66

Champigny sur Marne, le 4 avril 2006

07. April 2006

à

Monsieur Christoph SCHMIDT
« Global Assistance »
Rappenbergstrasse 17
D-72119 AMMERBUCH-BREITENHOLZ
GERMANY

OBJET: votre appareillage « DRY TRONIC » installé en mars 1995

Cher monsieur Schmidt,

Après tant d'années, je me rappelle à votre bon souvenir ; c'était l'époque où j'avais à résoudre un épineux problème d'humidité dans le sous-sol de mon pavillon. En effet, au mois de mars 1995, sur le conseil de monsieur Boulandet, expert de la Société *Humidithèque* dans le traitement de l'humidité, vous êtes venu, en compagnie de votre épouse, installer votre tout nouveau système « Dry Tronic ». Je dois reconnaître que le choix de votre système électronique a eu les résultats que j'étais en droit d'en attendre. Aujourd'hui, je me félicite de ce choix, mais surtout, je vous félicite d'avoir mis au point ce système, à la fois performant et d'une grande fiabilité.

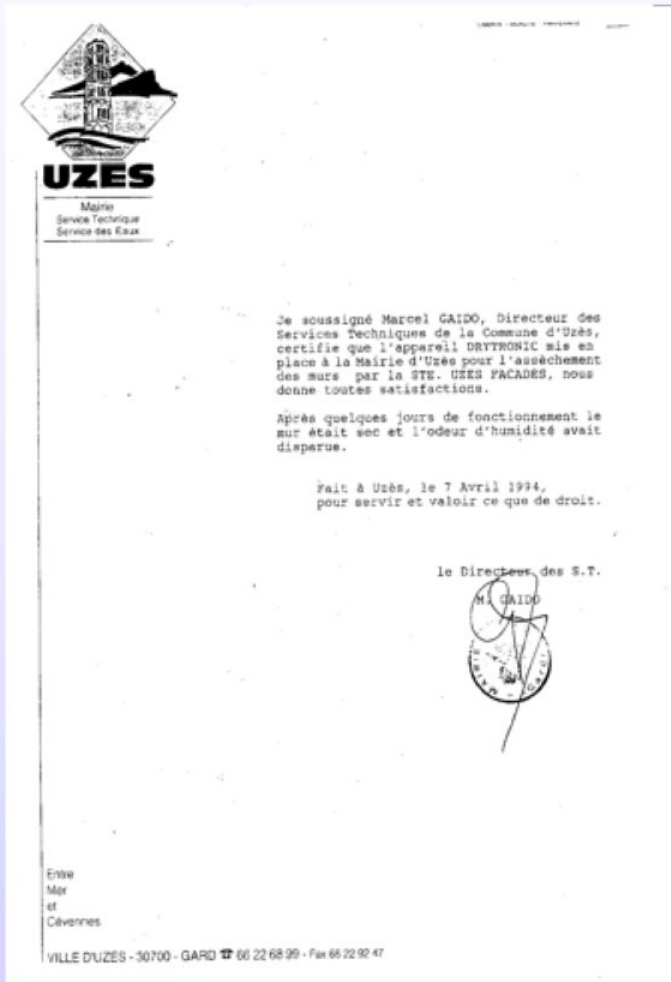
Cher monsieur Schmidt, soyez-en remercié et veuillez accepter, outre mes félicitations, mes salutations les plus sincères. Soyez aimable, je vous prie, de bien vouloir transmettre mes profonds respects à votre épouse.

Bien cordialement,

Bernard Gaudineau



Global Assistance – letters of recommendation





Global Assistance – letters of recommendation

