















Company	Sectors	Products & activities
Global Assistance Global Assistance Rappenbergstr. 17 72119 Ammerbuch www.drytronic.com	 Heritage restoration and sustainable conservation Drytronic® – preventive to permanent dry(ing) buildings and structures Low carbon technologies in buildings / Energy Efficient Measures Passive Thermo House (LEED conform, with own sustainable design) 	 Drytronic® Moisture and Salt Removal & Control systems, designed for broadest installation varieties from wet basements to 2029 year old Herodion Royal Chamber Fresco wall. Energy, permanent effort minimizing and cost saving by drying and conservation, including automated desalination and heritage respecting mortar, etc. Drytronic®-Moisture-Removal control systems, energy efficiency in buildings, products and production (incl. oil/gas heating system retrofit concepts) Consultant, engineer and trainer in hands-on-solutions and
Mr. Christoph Schmidt	Lectures, work-shops and practical trainings Consulting & engineering (interdicipl./ across fields)	 (energy) efficiency, including IT and modern technologies. Offering a special design passive thermo plus house that can maintain a good and healthy climate. Works well since 1989. Can compete with the latest in construction, also in most environments/climate zones. U-factor 0.2 which it does not cost more than conventional buildings, while saving energy (around 50 %, even with no solar systems) they can't come up with. Doesn't need Air Conditioning or extra venting system. Central heating can also be fired with wood or coal.





Christoph Schmidt – the Swabian... mind behind it

- Swabian in South West Germany: Innovation incubators per se
- Owner and founder of Global Assistance, established in 1992
- Service engineer in plasma etching equipment (USA)
- Self motivated in designing, 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
- Off the shelf, cross border combining procedures / processes
- Energy efficiency, sustainability in products and production
- Consultant, hands-on solution finder, not limited to the above

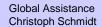




Energy Efficiency and sustainability – re-thought

- The cleanest energy is the one not used.
- The cheapest energy is the one not wasted.
- Don't be a lemming and follow the masses
- Not all is just about "Energy Efficiency", if people and environment are left behind.
 - Some of my proverbs, guidlines
- Talk doesn't cook rice.
 - Chinese proverb
- Saving energy, efforts and resources in a different way: >throw together what we know and get the best out of it<

www.drytronic.com/blog/nl100706.htm - www.bananarepublics.de





Passive – Thermo Home, since 1989 Classic outside – comfortable, healthy climate inside



 $U = < 0.2 \text{ W/m}^2\text{K}$





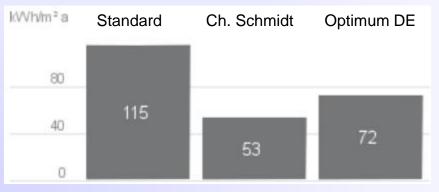
Passivehouse

IWU KURZVERFAHREN ENERGIEPROFIL 350 400 Moderner Neubau Ihr Ergebnis: *53 kWh/m²a Durch Sanierung erreichbar Herzlichen Glückwunsch. Sie erreichen das Niveau von heutigen Passivhäusern. In der Sanierung ist dieser Wert kaum erreichbar. In diesem Falls sollten Sie die Eingaben noch einmal überprüfen. Bei dem Ergebnis handelt es sich um eine Grobschätzung anhand Ihrer Angaben.

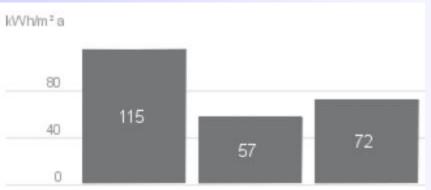
from 1989 LEED conf.

average seasons





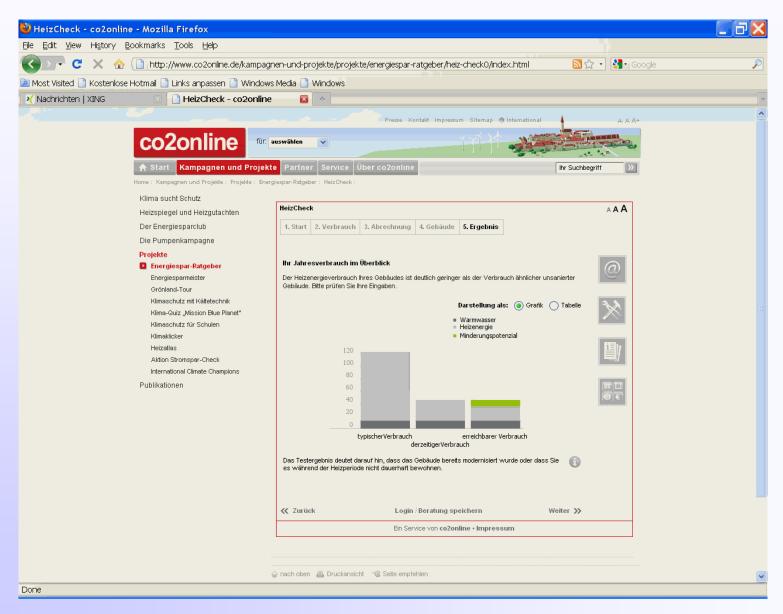
2012



long ugly winter





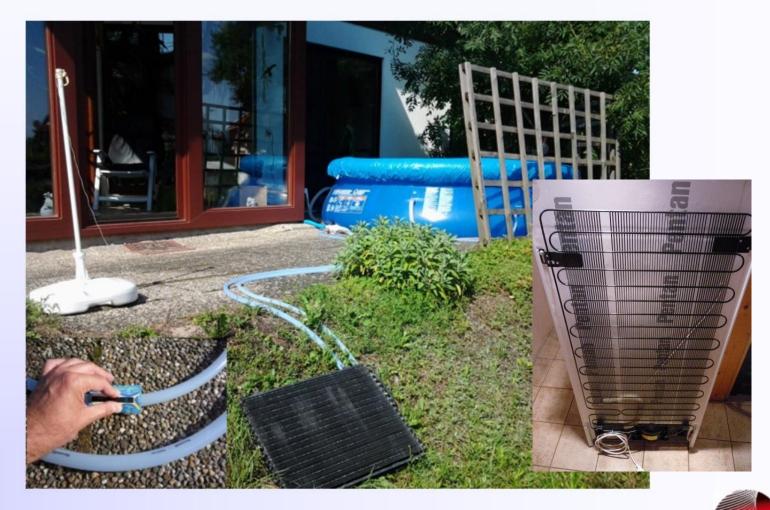


2009





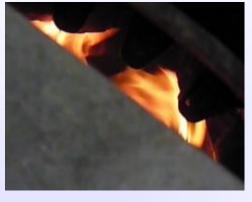
Self Regulating < 50 W circuit versus Heat Pump





Alternative, renewable - semi automatic - wood heating

















Water Cooling & Air Conditioning by Mass







Insulated wet base and walls will ruin any house...!

דרייטרוניק® קיר יבש – סביבה בריאה!







My mother's house dehumidfier mold nearly killed her!









rotten, cracked basement bathroom well waste water & stairway walls









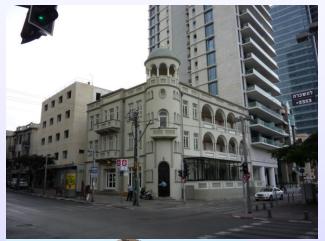


Germany: some ordinary = crapy "working" history





Classics won't help against wet walls / basements













Want to get killed by AC / dehumidfier or vent systems?







Tel Aviv Hotels, moldy bathroom exhaust carpet ... vs. two weeks vacuum





Damp environment causes sickness

- Many mistakes were made in the past, prescribed by "specialists" who had no real solution.
- Their solution: "much venting should help".
- ◆ They were wrong!







Toxic, Poisoning Fassade Insulation

Do it right the first time and in the right way!

Some Statements by a German TV Report in - [W] wie Wissen - from 21-10-2012:

"Fassades are poisoning rivers" First subtitle: "New poison sources"

"Algas and Mold on Thermal Insolation" ... What's banned in agricultior, still used.

"From the fassades into the water" ... Hurdle even for the (waste) water treatment.

"High water burden" ... Biocides are washed out and contaminate even rain water. By factor 1000 times higher then at 4 year old buildings. (Get them over warrenty.)

"Banned Poisons are comming back" ... Long banned nerve agents like Terbutryn are used in commercial painters supplys and to impregnate construction materials.

- Last but not least, remember 2015 Sylvester :,,Adress Hotel" fire blast? -





Palazzo Gueri Consult in Milano 1997





NOW: http://www.palazzogiureconsulti.it/Sale/Dettagli/Sala_Esposizioni.kl





Heritage Basement

1897: slurry, 1950's: stinky, 1997: dry & fresh

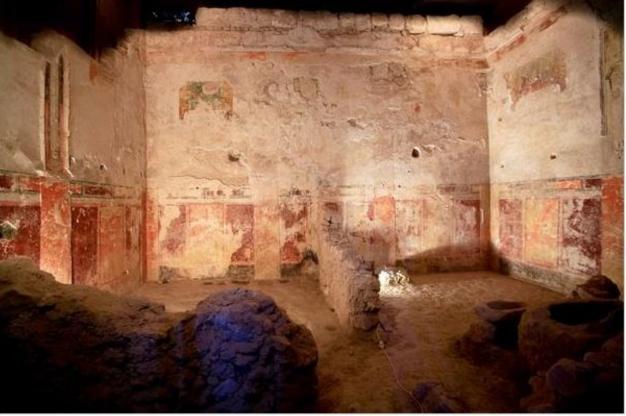






Herodion Royal Chambers Preservation Project









Perfect 3D < 15 B.C.







Desalination of predried wall







Extracted hail size salt residues







Happy conservation Experts







Congratulation to the success







Endorcement from Jerusalem



Jerusalem, 18.04.2015

TO WHOM IT MAY CONCERN

The Conservation Department of the Israel Antiquities Authority is using with great success the Drytronic device of Christoph Schmidt from Germany for treatment of humidity problems in the Royal Chamber of Herodium, Israel.

The site represent of a complex above the Theatre of Herod the Great (1st century BCE) adorned with paintings and stuccoes. Water penetration trough the bedrock and surrounding walls represented the main conservation problem. After the activation of the Drytronic system the Moisture content of the walls arrived to acceptable level and to significant decrease of the rate of the paintings and plaster deterioration.

Eng. Jacques Neguer Head of Art Conservation Conservation Department Israel Antiquities Authority





Drytronic® some reference objects history





































Global Assistance - some 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 serveral 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. Henssler, 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 ATTENTION!

Contact:

Christoph Schmidt

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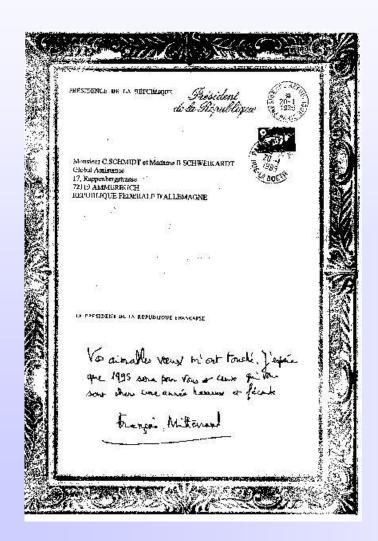


Next files are for the handout





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

0 7. 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 *Humidiathèque* 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.

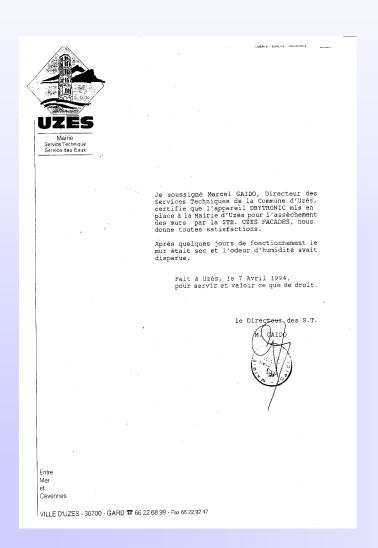
Dien cordialement,







Global Assistance – letters of recommendation





Stadtverwaltung, Postfach 249, 71602 Ludwigsburg

Firma Global Assistance Christoph Schmidt Rappenbergstr. 17

72119 Ammerbuch

HOCHBAUAMT

Fachbereich Bauunterhaltung

Auskunfterteilt Herr Henssler

Durchwahl (07141) 910-365

Datum und Zeichen Ihres Schreibens

Unser Zeichen III-65 BU he-ha 01.07.1997

AWO, Abelstraße 11, 71634 Ludwigsburg - Trockenlegung des Gewölbekellers -

Sehr geehrter Herr Schmidt,

gerne bestätigen wir Ihnen, daß in unserem Gebäude Abelstraße 11 in Ludwigsburg Ihr *Dry Tronic'-System im März/April 1997 mit vorerst bestem Erfolg angewart wurde

Es handelt sich dabei um die Trockenlegung eines ca. 80 m² großen Gewölbekellers in einem etwa 100jahrigen Gebäude. Die Wände bestehen aus Mischmauerwerk, die Ankenfüllung aus unbekanntem Material.

Das aufgehende Mauerwerk, der Betonfußboden, die Schildwände und etwa die Hälfte der Gewölbeflächen waren seit Jahren total durchfeuchtet; veranlaßt durch Grundfeuchte und Hangwasser, welches nicht abgeleitet werden konnte.

Die Trocknung setzte nach wenigen Tagen ein und war nach ca. 3-4 Wochen abgeschlossen. Der Raum wird seither als Papier-lager verwendet.

Mit freundlichen Grüßen

Jan well

Henssle

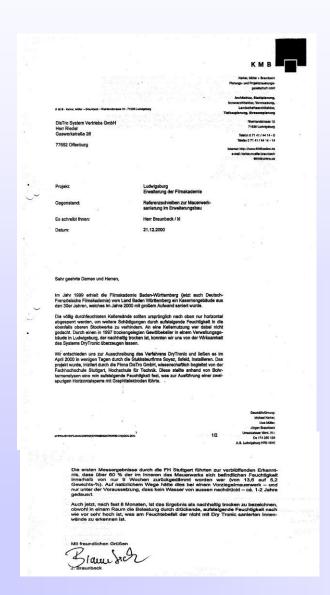
Mathildenstraße 27/1 T-Online *556670716# Telefax: 07141 / 910-762 Telefonzentrale: 07141 / 91

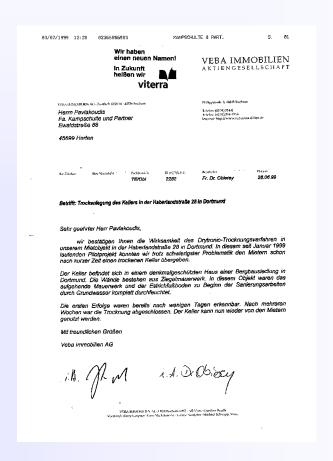
RECYCLINGPAPIER, EIN WEITERER BEITRAG UNSERER STADT ZUM UMWELTSCHUTZ





Global Assistance – letters of recommendation











Jerusalem, 18.04.2015

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Eng. Jacques Neguer Head of Art Conservation Conservation Department Israel Antiquities Authority

> ENERGY EFFICIENCY STADE IN CONTRACTOR

02–6260105 פקס: 91004 מוזיאון רוקפלר, ת"ד 586, ירושלים 91004, טל: 91004 ה20 פקס: 62626105 Email: conservation@israntique.org.il; Web: www.laa-conservation.org.il



Sources of the pictures / text

- Slide 13: Bild 3, 4 AHK Israel
- Slide 15: http://www.daserste.de/information/wissen-kultur/w-wiewissen/sendung/2012/fassaden-116.html
- Slide 18: Picture cut-out from IAA Questionnaire, July 2012 and IAA 2013, Dani7RC 2010
- Slide 19: Screenshot von: Israel ישראל (@Israel) tweet Feb 27, 2014, 21:58

 Take a trip through time in Jerusalem's Israel museum to the days of Herod the great: http://t.co/vCIDaLeVnI
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