



ZOYSIA AL KHALIJ

# PROFILE

PHENIX© TURF QATAR PRODUCED ZOYSIA TENUIFOLIA (ZT)  
CARPET GRASS



# SUMMARY

- **ORIGINE**
- **QATAR COMPANY CREATION**
- **ORGANIZATION CHARTE**
- **TESTS & CERTIFICAT**
- **THE NURSERY**
- **PROJECTS**
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# ORIGINE

THE ZT GROW NATURALLY IN MADAGASCAR AND LA REUNION ISLAND ON THE VOLCANO SLOPES (PITON DE LA FOURNAISE) IT'S THE REASON WHY IT'S CALLED TOO "MASCAREGNE GRASS".

AFTER 5 YEARS RESEARCH (2002-2006), PHILIPPE FENIN (DOCTOR & EXPERT IN BIOLOGY OF VEGETAL; SEVERAL PUBLICATIONS ON ZT C4 METABOLISM STUDY FOR DESERTIFICATION FIGHTING) WITH AN ENGINEER FROM INRA (AGRONOMICAL NATIONAL INSTITUTE OF RESEARCH) FIND AN UNIQUE PATENTED PROCESS TO PRODUCE ZT AS CARPET GRASS IN INDUSTRIAL SCALE. THE COMPANY MEM (MONACO EURO MEDITERRANEE) BOUGHT THE PATENT AND CREATED THE MOTHER NURSERY IN PORTUGAL.





**ZOYSIA AL KHALIJ**

# QATAR CPY CREATION

THE COMPANY **MEM** DEVELOPING THE **MEDITERRANEAN BASIN MARKET** ( *SOUTH EUROPE AND NORTH AFRICA* ) SINCE 2012, IN 2015 THEY DECIDED TO DEVELOP THE **GCC MARKET THROUGH THE QATAR WITH ITS WORLD CUP 2022 AND THE 2030 VISION OF EMIR.**

**AFTER THE MARKETING STUDY AND THE PRESENTATION DONE (END OF 2015) TO THE MINISTER OF ENVIRONMENT & MUNICIPALITY (AHMAD BIN AMER BIN M AL HEMAIDI) WHO LIKED THIS ECO-FRIENDLY GRASS CONCEPT, HE ASKED FOR 6 MONTHS TEST (CERTIFICATE SEE NEXT SLIDE) UNDER SUPERVISION OF THE MUNICIPALITY WITH MOHAMED ALI ALKHOURY TEAM.**

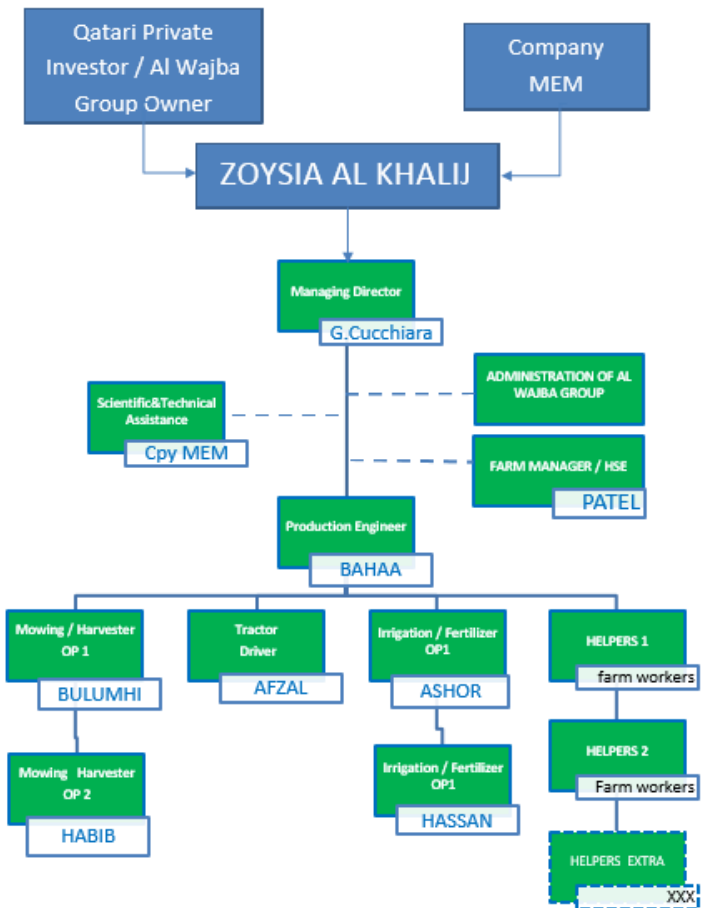
**IN 2016 THE COMPANY ZOYSIA AL KHALIJ WAS REGISTERED IN PARTNERSHIP WITH THE QATARI PRIVATE INVESTOR AND THE COMPANY MEM. THEN THE NURSERY OF 5 HECTARES WAS IMPLEMENTED NEAR AL KHOR.**







# ORGANIZATION CHARTE





**ZOYSIA AL KHALIJ**

# TESTS & CERTIFICAT

## 6 MONTHS TEST CERTIFICAT

Ministry of Municipality & Environment  
 Tel: 44393580 - Fax: 44266434 - P.O. Box: 2227 - Doha - Qatar  
 Public Parks Dept.

وزارة البلدية والبيئة  
 كائن: 2227 - ب.ص: 2227 - الدوحة - قطر  
 إدارة الحدائق العامة

تاريخ: 12/1/2017

To whom it May concern

With the witness public parks department that our engineers had tested on the specification of Grass type (zoysia tenuifolia) and sponsored by zoysia company for a period of six months from the date 21.04.2016 to 10/15/2016.

وقد تبين لنا خلال التجربة انه نوع جيد لاستخدامه في مسطحات الزراعة التجميلية الخضراء كما يعتبر صديقاً للبيئة نظراً لان احتياجاته المائية اقل بـ 50% من الاحتياجات في المواصفات القياسية القطرية ، كما انه وفر 50% من كميات التسميد الكيماوي المركب NPK وعدم الحاجة لإضافة السماد العضوي اثناء السيانة ولم نحتاج لاستخدام المبيدات الكيماوية لمكافحة الاعشاب الغريبة نظراً لقدرة على مكافحة الاعشاب الغريبة تلقائياً هذا ولم نحتاج الى استخدام المبيدات الكيماوية الحشرية وللطرية خلال مراحل التجربة وان فترة قص العشب الدوري تكون كل شهر فقط ولا يحتاج الى عمليات السيانة الشاملة من (تهيئة وقطع عمودي وتسميد عضوي..... الخ ) .

## CLASSIFIED MATERIAL FOR GSAS STARS OBTENTION



## ASPIRE ZONE – ASPIRE LOG SHADE TOLERANCE TEST



# THE NURSERY

A 5 HECTARES NURSERY IMPLEMENTATION WAS STARTED IN JANUARY 2016  
AT 16 KM WEST AL KHOR – 10 HECTARES EXTENSION PLANED







# PROJECTS

## WORLD WIDE (MEM)

### FOOTBALL FEILDS



### GOLF COURSES



### HYPPODROMES



### LANDSCAPE

### VILLA'S & PALACES







# PROJECTS

## WORLD WIDE (MEM)

MONACO COMPANY MEM WORK ON THE SPORT FACILITIES AND LANDSCAPING PROJECT SINCE 2007 IN PARTNERSHIP WITH THE FRENCH COMPANY CGME AND MEDITERRANÉE ENVIRONMENT.

THESE BOTH COMPANY BUILD WITH SUCCESS MANY FAMOUS FOOTBALL STADIUM FIELDS AS THE STADE VELEDROME OF THE OLYMPIQUE DE MARSEILLE WINNER OF THE CHAMPIONS LEAGUE 1993.

ALL BIG PROJECT IN QATAR BY ZOYSIA AL KHALIJ WILL BE PERFORMED WITH THEIR ENGINEERING AND SUPERVISION.

THEIR PORT-FOLIO SHOW THE CAPABILITY OF THIS PARTNERSHIP THROUGH ALL PROJECTS PERFORMED SUCCESSFULLY. THE PROJECTS IN REFERENCE WERE DONE IN DIFFERENT FIELD: SPORT, LANDSCAP & PUBLIC PARC





# PROJECTS 1/2

## QATAR



THE PEARL - UDC



UMM SALAL-  
MUNICIPALITY



## QATAR



**SEVERAL PRIVATE  
GARDENS AND  
COMPOUNDS**



### WAY FORWARD (Tender):

- **LANDSCAPING  
5200 SQM**
- **FOOTBALL FEILDS**
- **MME**







# MEDIA COMMITMENTS

EXHIBITOR AND SPEAKER AT SUSTAINABILITY SUMMIT NOVEMBER 2017

INTERVIEWED BY GORD MULTIMEDIA

INTERVIEWED BY THE FRENCH RADIO ORYX FM



WEBSITE UNDER CONSTRUCTION





# CONTACTS

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DOHA

QATAR

## GERALD CUCCHIARA

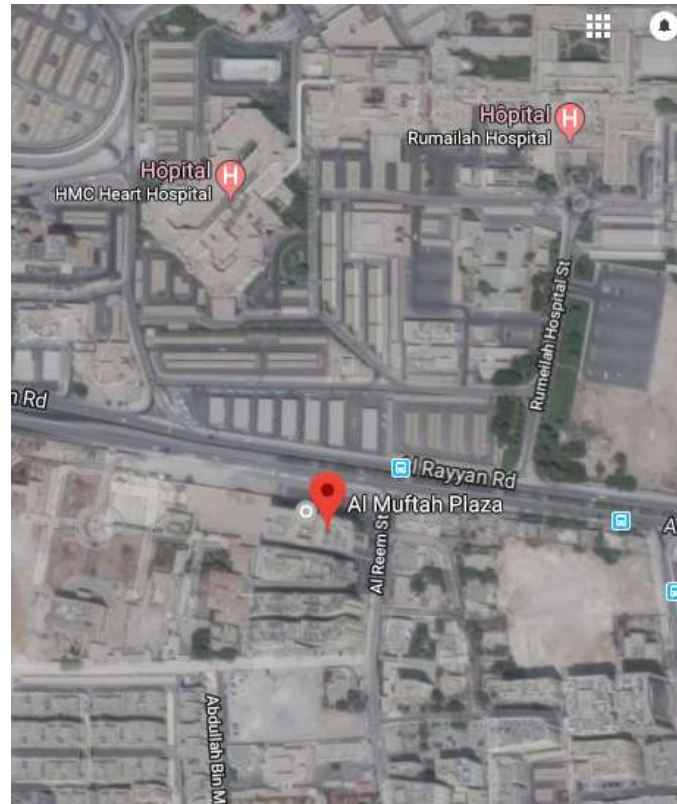
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# ZOYSIA TENUIFOLIA BIBLIOGRAPHY 1/2

ZOYSIA AL KHALIJ

- Report N R3110 of **THE SPORT TURF RESEARCH INSTITUTE BINGLEY WEST YORKSHIRE (FIFA & IGF certification)**,
-  Grass species study for large playing sport Area (**FIFA & IGF certified**)
- **CHRISTIAN THOMAS CHRISTENSEN**; University of **FLORIDA** in 2012 - "Screening for differential responses to drought and shade in selected Zoysia Grass".
- **MEYER, M. SEIBT, U., & GRIFFITH, H.** (2008). "Carbon acquisition, isotope discrimination and physiological ecology of early land plant life form" - **ROYAL SOCIETY BIOLOGICAL SCIENCES.**
- **KENNA 2008; KNEEBONE AND PEPPER – 1982** - "...study done in desert area of Arizona using lysimeter boxes 10,8 ft, tall fescue and St Augustine grass used significant more water than Zoysia grass".







## ZOYSIA TENUIFOLIA BIBLIOGRAPHY 2/2

ZOYSIA AL KHALIJ

- Turf-grass & Ornamental Plant, evaporation and crop coefficient (Literature review); Consuelo C. Romero Post-Doctoral Investigator & Michael D. Dukes Associate Professor - Agricultural and Biological Engineering Department - University of Florida Gainesville, FL; 2009.
- ZT compared Bermudas-Grass on golf course in San Antonio reported, that ZT allowed at least 30% water irrigation saved. The optimum water management by applying water when the grass really needs it, saves the last 25% for a total of 55% saved. In the same time It reduce of 40% vertical growth of the shoot - Milt Engelke, Professor emeritus at Texas A&M University.
- Handbook of Turf management and Physiology - Stephen E. McCann & Bingru Huang - 2008.
- **MEYER, M. SEIBT, U., & GRIFFITH, H.** (2008). “Carbon acquisition, isotope discrimination and physiological ecology of early land plant life form” - **ROYAL SOCIETY BIOLOGICAL SCIENCES.**
- **KENNA 2008; KNEEBONE AND PEPPER** – 1982 - “...study done in desert area of Arizona using lysimeter boxes 10,8 ft, tall fescue and St Augustine grass used significant more water than Zoysia grass”.

