

PORTUGAL | ANGOLA | MOROCCO | LIBYA | GUINEA CONAKRY

#02

NEWSLETTER - SEPT. '09

# MCA GLOBAL

PORTO METRO AND CERVEIRA INTERNATIONAL BRIDGE  
WORKS

INTEGRATED QUALITY, ENVIRONMENT AND SAFETY MANAGEMENT SYSTEM  
STRATEGIC DECISION OUTCOMES

IMPROVEMENT WORKS, REHABILITATION AND ENHANCEMENT  
WE HELP BUILD ANGOLA

SOCIAL RESPONSIBILITIES - H1N1 FLU  
WHEN PREVENTION IS THE BEST REMEDY

CONFERENCE ON PORTUGAL-ANGOLA ECONOMIC RELATIONSHIPS  
MCA GROUP – A SUCCESSFUL EXAMPLE

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Building MCA Head Office - Guimarães

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## INTERNATIONALIZATION

In a context of markets economic globalization and an ever growing global scale competition, internationalization establishes itself as a cornerstone challenge for a successful competition and for companies' sustainable development.

Internationalization assets as far as access to new business opportunities and increase of new emerging industries are concerned lay on businesses geographical diversification.

Risks consequent of internationalization processes must be dealt with taking various factors into account; vital resources to develop such a project – capital, technologic, human – high set-up costs; late investment returns. Besides, barriers arising from leaving the chosen market – disinvestment –, often forgotten in the international decision making process.

Key elements conditioning the companies' outcome on external markets should be incorporated in the strategy independently of the approach.

Vital factors for this industry, areas requiring excellence and supplying competitive advantages should be identified straightforwardly to overcome rivalry among existing firms.

All useful information on markets and their opportunities must be gathered, the potentiality of its flow must be evaluated as well as the consequent updating.

Needless to say, that the organizational entity must provide interactive management capacities, organization skills adapted to such a large-scale process, human resources and technical interaction.


MCA Group assessed and balanced related risks in order to ensure that doubts consequent of any internationalization process were reduced if not annihilated. Evaluation based on institutional supportive tools, allows systematization and adaptation of the analysis of potential markets and lead to an improved decision making process.

MCA Group process of internationalization combines responsible and gradual action, knowledge of internal and external variants to grant new markets when necessary – strategic, economic and financial – factors are gathered. ■



GUILHERME SURKAU CRUZ  
International Dep.





*"Cognizant and motivated by the challenge which is a great construction we greeted two vast construction works in Portugal northern region ..."*

When you combine people and resources you get dynamism and progress then distances and physical barriers stop reducing people and businesses development. Cognizant and motivated by the challenge which is a great construction we greeted two vast construction works in Portugal northern region; the insertion of Porto Metro line T, in Maia and accesses to Cerveira/Goian International Bridge, in Vila Nova de Cerveira.

You may find here a brief presentation of those construction works to help you understand the dimension of our works and our willingness to have them render service to population.



# THE POPULATION QUALITY OF LIFE IS OUR TARGET.



**CONSTRUCTION GENERAL MANAGER** | Paulo Fonseca  
**CONSTRUCTION GENERAL MANAGER ASSISTANT** | Marcos de Barros  
**FOREMAN** | Jorge Meireles



## PRINCIPAL WORKS:

- Earthworks
- Drainage
- Paving
- Road Signing and Safety Equipments
- Extra works
- Engineering Structures

## CONSTRUCTION CONTRACT – ACCESSES TO CERVEIRA/GOIAN INTERNATIONAL BRIDGE – LINK ROADS TO V.N. CERVEIRA AND TO NATIONAL ROAD EN 13

This contract's objective is the construction of accesses to Cerveira/Goain International Bridge, over Minho River, up to the EN 13, remodeling the liaison from North to Vila Nova de Cerveira City Center.

The plan sets around extending the bridge up east, from the roundabout at the north of the cemetery, crossing the railway bidirectional line D and linking EN 13 through a roundabout on the actual interchange junction. This shall enable liaison between EN 13, the international bridge and the access to V.N. de Cerveira.

From the latter roundabout the connection to the center of V. N. de Cerveira is guaranteed via an avenue, Av. das Comunidades Portuguesas, which ends in a smaller roundabout, crossing under the railway up to the riverbank area.

This remodeling needs a 1.100m work on EN 13, this distance facilitated the creation of acceleration lanes, central reserves, etc. The work starts at 200m south the Access to EN 302 (Access to Lovelhe) and ends at around 300m north upper Access over EN 13 (Access from the cemetery to Lovelhe). ■







## CONSTRUCTION CONTRACT – PORTO METRO LINE T – CONSTRUCTION OF THE URBAN INTERSECTION ON THE CIRCULAR ROAD OF MAIA NORTH VIADUCT, MUNICIPALITY OF MAIA

The Porto Metro Line T Urban Intersection Construction Work is part of the construction contract comprising Branhinhais Roundabout up to Maia Industrial Area.

As far as construction techniques are concerned and after the settlement of the construction yard and the preparation of all

necessary elements to initiate works, the preparation of correct and efficient road signing and works signing, avoiding as much as possible any usual inconveniences for people using these services and ensuring as much as possible all public and private services for pedestrians and cars. ■



### MAIN WORKS:

- Yard installation
- Geotechnical reconnaissance/sound surveys
- Earthworks
- Foundations and armed concrete structures
- Hydraulic installation and network
- Various equipments supply and installation
- Infrastructures construction
- Public light and electricity installations and networks
- Road paving and other extra works
- Armed concrete retaining wall
- Shotcrete and surfacing
- Pre-molded concrete panels supply and installation
- By-passes for affected and demolition areas
- Finishing and surfacing
- Yard installations removal



CONSTRUCTION GENERAL MANAGER | Vitor Nunes  
CONSTRUCTION GENERAL MANAGER ASSISTANT | Joaquim Silva  
SANDRA LOPES, ADMINISTRATIVE ASSISTANT | Sandra Lopes



INTEGRATED QUALITY, ENVIRONMENT AND SAFETY MANAGEMENT SYSTEM

# INTEGRATION: STRENGTH.

“...the adoption of an Integrated System, meanwhile focus remains on cohesion and integration lead to a strategic decision affecting organizations as a whole. This adoption is vital for competitiveness and produces a maximization of benefits for all interested parties, clients, collaborators, suppliers, shareholders and the surrounding society.”





M. Couto Alves, SA performed a Quality Management System based on ISO 9001:2000 norms to ensure products quality in accordance with contractual limits and regulations. The system obtained its certification on 2002-08-01, at APCER, for "Conception, development and production of Bituminous Mixtures", due to continuous controls and adaptations.

2004-07-29 the QMS certification was extended to "Conception, execution and improvement of communication routes and infrastructures - Conception, development and production of bituminous mixtures".

2008-03-20 the scope of certification was enlarged to a Security and Safety at Work Management System during the "Development and Production of Bituminous Mixtures", in accordance with NP 4397:2001 / OHSAS 18001:1999.

2008-08-06 the company obtained a Fabric Production Control Certification "CE Mark Certification on Bituminous Mixtures".

On April 2009 a follow-up audit was undertaken to achieve transition to norms ISO 9001:2008 and NP 4397:2008 / OHSAS 18001:2007.

On May 2009 M. Couto Alves, S.A. decided to start developing and leverage the Environmental Management System, as EN ISO 14001 Norm required, and to extend the Security Management System in accordance with NP 4397:2008 / OHSAS 18001:2007 to "execution and improvement of communication routes and infrastructures". The target was focused on obtaining integrated certification (Quality, Environment, Safety and CE Mark Certification) till the 1st semester of 2010.

To do so and as far as Quality, Environment and Safety are concerned, the adoption of an Integrated System, meanwhile focus remains on cohesion and integration lead to a strategic decision affecting organizations as a whole. This adoption is vital for competitiveness and produces a maximization of benefits for all interested parties, clients, collaborators, suppliers, shareholders and the surrounding society.

Integration shall lead to synergies impossible to reach within a settlement of three systems separately. This is a challenge with advantages for proactive management, economy of means, complementary actions and increased motivation from the parties involved.

In this context the company develops processes based on environmental requirements targeting a minimization of construction Works, production and services consequent negative impacts on environment; they are the laying foundation for an Environmental Management System to be part of a global management system.

As a consequence, Environmental follow-ups evaluate environmental risks and provide environmental preventive

measures, which are reviewed when inspections and verifications are processed. The criteria adopted on a phase of preparation and then on a phase of execution, allow a control on environmental degradation conditions and ensure environment preservation.

At the moment, the Management System, the Manual System (Quality and Safety) includes duly referenced-approved processes and registrations satisfying the pre-established regulations.

In general, processes represent the specific way an activity is accomplished.

The success and the proceedings of such processes are based on many factors such as size and type of the company, complexity level and interaction between the processes of work as well as the methods used and the capacity and experience of the people involved.





The documentation basis of the Management System is elaborated, reviewed and published with balance, defining applicable regulations for the Management System registers control; these registers demonstrate the conformity of the System itself.

Internal and external audits, among other means, and periodical checks from Administration ensure the System's performance.

M. Couto Alves, SA commits to develop and improve the Management System. The Management Policy is set as a reference, contains the choices Administration thinks is best for businesses, and launch guidelines for the Management System development and for the company's targets.

Leadership, self investment as well as the Administration's involvement are essential for an efficient and efficacious Management System includes; the determination of the characteristics essential for Quality, Environment and Safety; and the determination of the indicators defining quantitatively these characteristics – these indicators should be used to monitor and improve products and processes.

The Administration Board uses the information resulting from the Management System monitoring, as first elements for necessary adjustments - which will guaranty permanent soundness and continuous improvement. ■



Ana Arantes  
Quality Technician



Ernesto Ramada  
Safety Technician



Manuel Aleixo  
SIG-GAS Manager



# HEADING TOWARDS EXCELLENCE.

In Civil Engineering, Quality, Environment and Safety are clearly under focus which is important for the sector's development.

With globalized economy and the consequent increase of competition, launch an Integrated Management System turned out to be essential for the Group, and this should be clear for all parties involved in national and international activities of the company.

Sustainability for M. Couto Alves is a central activity. First step to set a sustainability strategy is to gather a team in the company, to achieve an Integrated Quality, Environment and Safety Management System.

After an exhaustive analysis, the characteristics the team should have were defined. To resume, it is fundamental to; represent all company's areas keeping in mind that sustainability is a transversal theme as it includes economic, social and environmental aspects; integrate visionary and specific-experienced collaborators, sensitive to the sectors' challenges – safety and environment of production and construction management.

Heading towards the implementation of an Integrated Management System means heading towards excellence and this is an important tool to answer the more and more exigent and dynamic market's needs. ■

Manuel Aleixo  
SIG-QAS Manager  
(Integrated Management System – Quality, Environment and Safety)



Guilherme Vieira  
Environmental Technician

Miguel Cardoso  
Safety Technician

Helder Peixoto  
Quality Control  
Lab Technician

Júlio Portela  
Quality Control  
Lab Technician



*"...for the projects sizes and willingness  
require a range of several integrated capabilities ..."*



LUANDA - BENGU - BENGUELA - BIÉ - ZWANZA NORTE - ZWANZA SUL - HUAMBO

# WE BUILD UP ENGINEERING INFRASTRUCTURES IN ANGOLA. HAVE A LOOK!



Help build a great country is gratifying and challenging; gratifying for obvious human and social aspects and because it is a prolific opportunities market compared with the stagnant national market – despite some grateful vivacity and dynamism; challenging because the sizes of the projects and the willingness to complete them require a range of several integrated capabilities.

We wish to introduce hereby a brief characterization of grand works and more generally of our work. ■





#### **EN 120 Rehabilitation–Rio Keve - Alto Hama Section, 91km extension (complete)**

The construction contract of EN 120 Rehabilitation comprised Rio Keve Bridge to the intersection with EN 250 Road of Alto Hama, in Kuanza Sul and Huambo provinces, with an extension of 91km.

Main works included traffic settlement, deforestation, clearing/cleaning, earthworks to enlarge the existing platform, drainage, paving, road signing and environmental protection.

#### **EN 110 Rehabilitation–Catete–Cabala Section, 25,5km extension (complete)**

This project rehabilitated Catete – Cabala EN 110 in Bengo Province. Starting point was on km 0.00 in Catete(22,2km) and ended at Kwanza floodplain.

The existing platform was enlarged, drainage structures were rehabilitated, pavement was rehabilitated or executed, road signing and

safety equipments were installed and engineering structures were rehabilitated at kilometers; Pk 13.225, Pk 13.373, Pk 16.687 and PK 17.643.

#### **Rehabilitation of Sumbe-Gabela Road (complete)**

EN 240 was rehabilitated from Petroleum Institute crossroads to Sumbe/Gabela Waterfalls with 28,50km of extension, including the existing platform enlargement, drainage systems, paving, road signing and other safety equipments, environmental protection.

#### **EN 140 Rehabilitation–Kuito–Chitembo By-pass, 114km extension (completing)**

The contract object was EN 140 rehabilitation from Kuito By-pass to Chitembo, in Bié Province, with 114 000km extension and included traffic settlement, earthwork for platform enlargement, complementary drainage systems, bituminous concrete road surfacing, environmental and road signing protection.







**ADMINISTRADOR MCA (Angola)**  
Teixeira dos Santos, MCA Vias Administration  
Board Member

#### **EN 250 Rehabilitation, Alto Hama/ Balombo Section, 95,4km extension (on the verge of completion)**

The construction work aims at rehabilitating EN 250 from Cococo River Bridge (km 118+600) to the intersection with EN 120 in Alto Hama (Km 214+000), in an Extension of 95,4km. This road rehabilitation is essential due to strategic localization as it links the Coastline and main National Ports with South and Southeast regions of the country.

The work comprises a wide range of Civil Engineering areas of expertise such as traffic signing, earthworks, drainage, paving, road signing and environmental protection. At the moment around 95% are completed.

#### **EN 120 Bridges Rehabilitation: Rio Keve – Alto Hama extension (on the verge of completion)**

The rehabilitation of Nine engineering structures is on the verge of completion on Keve River Bridge section to the intersection with EN 250 at Km; pk 11+375, 13+350, 21+690, 35+900, 43+530, 47+375, 58+405, 80+900, 86+725.

#### **Maria Teresa/ Caxilo Road Rehabilitation, 60,8km extension (under execution)**

Rehabilitation works include EN 230 Maria Teresa – Caxilo Section; junction road EN 321 (km 0+000), Maria Teresa to Caxilo at the junction with EN 120 (km 60+800), in an extension of 60,8km.

Main works are traffic signing, earthworks (excavations and landfill for the enlargement of the existing platform), drainage, paving (sub-base layers and bituminous road surfacing), road signing, environmental protection.

#### **Kuito City Roads Improvements, lot 1 and 2 (under execution)**

25 roads from Kuito Bié Province Capital City, have to be rehabilitated in an extension of 22,90km, including existing sidewalks demolition, new betonilha (concrete product revestment) sidewalks, drainage systems, bituminous concrete paving, traffic signing and road marking.

#### **Sumbe City Roads Improvements – Parcel 2 (complete)**

The construction works aim at rehabilitating various roads in the City of Sumbe reaching up to 8.20km. The works included existing pavement demolition for new bituminous road paving, new betonilha sidewalks, drainage systems and road signing.

#### **EN 245/ 345/ 344/ 247 Rehabilitation - Uku Seles/ Cassongue Section, 112,4 km extension (starting soon)**

The rehabilitation contract of Seles/ Amboiva/ Cassongue will start soon, from Uko Seles (Km 0+00) to Cassongue municipality (Km 112+400) with an extension of 112 km.

Principal works combine traffic settlement, earthworks for platform enlargement, drainage systems, paving, road signing, environmental protection.

EN 245, EN 345, EN 344 and EN 247 section will be rehabilitated on Kuanza Sul Province.

#### **EN 245/ EN 110 Rehabilitation - Sumbe/ Uku Seles Section, 107,70km extension (under execution)**

The Quicombo By-pass (Km 0+00) will be rehabilitated up to the intersection with EN 240 (Km 27 + 0.00) with an extension of 107,7Km.

EN 245 and EN 110 section is rehabilitated from Quicombo by-pass (Km 0+00) up to the intersection with EN 240 (Km 107 + 700) section.

Main works include traffic signing, earthworks for platform enlargement, drainage systems, paving, road signing, environmental protection.

#### **Enhancement of the Cities of Benguela, Lobito and Vila da Catumbela (under execution)**

Contract requires sidewalks rehabilitation, including existing sidewalks removal and new Portuguese style paving sidewalks. MCA should rehabilitate the following roads:

- Avenida dos Bombeiros, Ponte Carmona and Access to 28
- Rua Cerveira Pereira
- Avenida da Independência
- Rua da Marinha de Guerra
- Rua Dr. Vieira Machado
- Intersection of Rua Dr. Vieira Machado and Rua Marinha de Guerra



MCA GROUP PARTICIPATES IN A CONFERENCE  
ON PORTUGAL AND ANGOLA ECONOMIC RELATIONSHIPS

# TRUST RELATIONSHIP.



Armando Amorim Soares, MCA Administration Board Member



*"...he managed to characterize the 8th companies of the Group interacting in Angola market, and to point out the strategies to develop and strengthen the companies."*







Manuel Couto Alves, President of the MCA Group  
Luís Mira Amaral, President of the Portuguese Bank BIC



The Conference on Portugal and Angola Economic Relationships together with the Inauguration of the bank agency and the Portuguese Bank BIC Business Center in Braga, was organized by the Portugal-Angola Chamber of Commerce in a hotel resort on June, last 16th and was followed by a lunch.

Well-known persons (\*) from the entrepreneurial panorama manifested their will to participate, this demonstrated the importance of economic relationships between both countries. Strategic themes and practical points of interest, mainly related with commercial relationships and investments between these countries, were analyzed and discussed.

Armando Amorim Soares, Administration Board Member, acting as MCA Group representative he managed to characterize the 8th companies of the Group interacting in Angola market, and to point out the strategies to develop and strengthen the companies. He managed also to highlight the special contribute of Portuguese Bank BIC to impulse investment and economic relationships between Portugal and Angola.

The conference took place in Minho, a perfect Portuguese region due to its long history of solid relationships with Angola and where

you find companies with excellent profiles for investing and progressing on the Angolan market on diverse areas such as technologies, shoes, metal mechanics, tourism and construction – in this area the example of MCA Group must be underlined.

Besides petrol, Angola thirsts for developing a non-petrol-based economy, for developing all potential sectors. Government plans to make large strategic investments, and Portuguese companies can be part of it.

(\*) Among well-known persons: Carlos Bayan Ferreira, President of the Chamber of Commerce and Industries; Fernando Teles, President of the Board of Portuguese Bank BIC; Luís Mira Amaral, President of the Portuguese Bank BIC; Américo Amorim, President of Amorim Group; António Marques, President of the Minho Entrepreneurial Association; Alfredo Cardoso, Principal Private Secretary and Representing the Mayor of Braga Town Hall. ■

# WHEN PREVENTION IS THE BEST REMEDY.

For a Group like MCA, which highlights and valorizes the social responsibility policy, we ought to share our guidelines on the Influenza A virus.

We shall not be alarmist and we wish to underline that the flu is mild and not a lethal risk for population. People at higher risks of serious complications include people age 65 and older, young children, pregnant women, and people of any age with underlying medical conditions, respiratory pathologies; hence, the influenza A virus is no bogeyman.

However, MCA Group cares for consequences on people, and on absenteeism. While keeping our collaborators' health in mind, we present hereby a range of questions/comments in order to clarify some aspects.

## WHAT IS THE NEW INFLUENZA A (H1N1) VIRUS?

This is a new strain of influenza A virus subtype H1N1, endemic on human. It is thought to be a reassortment of four known strains of virus with a combination first time seen in the world; one endemic on human, one endemic in birds, and two endemic in pigs (swine). Transmission of the new strain is human-to-human.

## WHAT ARE THE SYMPTOMS?

The symptoms of swine flu are similar to other influenzas, and seasonal flu, and may include a fever, respiratory symptoms (coughing, runny or stuffy nose) and sore throats. Headaches, pain in the muscles or joints, chills and fatigue may also be reported.

## HOW PEOPLE GET INFECTED?

As with the seasonal flu, the virus spreads human-to-human via coughing, sneezing, or talking. A minimum distance of 1m must be kept with an infected person to avoid risks. Contagion also spreads through touching contaminated surfaces and then touching nose or mouth; doorknobs, public surfaces, and so on. Studies determine that the virus may survive several hours on surfaces, hence it is very important to keep them clean using domestic usual cleaning and disinfecting products.

## HOW LONG IS THE INCUBATION PERIOD?

1 to 7 days before first symptoms to appear.

## HOW LONG IS THE CONTAGION PERIOD?

People infected with seasonal and 2009 H1N1 flu shed virus and may be able to infect others from 1 day before getting sick to 5 to 7 days after, or 24 hours after symptoms end. This can be longer in some people, especially children and people with weakened immune systems and in people infected with the new H1N1 virus.

## WHAT ARE THE PRECAUTIONS TO KEEP FROM SPREADING THE VIRUS WHEN YOU FEEL SICK?

Keep away from others as much as possible. Cover your mouth and nose with a tissue when coughing or sneezing. Put your used tissue in the waste basket. Then, clean your hands, and do so every time you cough or sneeze. Stay home sick for seven days after getting the flu, or 24 hours after symptoms end.

## WHAT IS THE BEST WAY TO WASH YOUR HANDS?

Washing your hands often will help protect you from germs. It is recommended that when you wash your hands - with soap and warm water - that you wash for 20 to 30 seconds. When soap and water are not available, alcohol-based disposable hand wipes or gel sanitizers may be used. You can find them in most supermarkets and drugstores. If using gel, rub your hands until the gel is dry. The gel doesn't need water to work; the alcohol in it kills the germs on your hands.

## IS THERE ANY VACCINATION TO VIRUS A (H1N1)?

Yes. It is expected vaccine is available soon, priority should be given to groups at risk (those groups are still to be defined).

## VACCINE TO SEASONAL FLU IS EFFICIENT AGAINST THE NEW VIRUS?

There is no scientific outcome. Seasonal and H1N1 flu should still require a separate vaccination.

## WHAT PRECAUTIONS YOU SHOULD TAKE IF YOU TRAVEL TO INFECTED AREAS WITH THE FLU?

Travelers should follow general hygiene precautions consequent of respiratory infections: wash hands with soap and water and avoid close contact with sick people.

## WHAT PRECAUTIONS YOU SHOULD TAKE WHEN YOU RETURN FROM LOCATIONS WHERE INFLUENZA A (H1N1) VIRUS HAS BEEN REPORTED?

Travelers returning from an area infected with the new virus should be particularly aware of their health, and if they feel any symptom - fever (> 38°C), respiratory changes (cough, stuffy nose, sore throat, pain muscles, headaches, fatigue, diarrhea, vomiting or neurological problems - 7 days after return, must call

Health Line 24h (808 24 24 24). ■



*“As with the seasonal flu, the virus spreads human-to-human via coughing, sneezing, or talking.”*

## INFLUENZA A VIRUS: IMPORTANT INFORMATION

### 1 WASH YOUR HANDS

- Many times with soap and water
- Each time you sneeze, blow or cough

### 2 COVER YOUR NOSE AND MOUTH WHEN COUGHING AND SNEEZING

- Either with a tissue or your arm. Never with your hands!
- You shall throw your tissue each time after usage.

WITH FLU SYMPTOMS YOU MUST WEAR MASKS

IF YOU HAVE ANY DOUBTS YOU SHOULD ALWAYS CALL HEALTHLINE: 808 24 24 24

### Anti-septic hand friction:

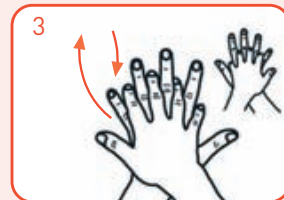
Processing period: 20-30 seconds



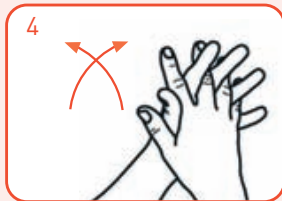
1 - Apply liquid soap in one half closed hand to avoid spilling.



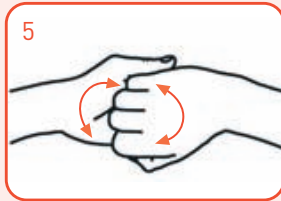
2 - Rub your palms one to another.



3 - Rub the palm of your hands on the back of each hand, hands and fingers wide open.



4 - Wash the areas between your fingers.



5 - Palms in opposite ways and fingers clenched, hold your hands.



6 - Wash your thumbs and palms, twisting the skin as you wash.



7 - Carefully rub your fingertips, including the parts under the nails.



8 - Once dry your hands are safe.

# WE WISH TO BE YOUR INTERNET FAVOURITE.

Because we wish to go even further with all our projects, our internet website has been optimized. Our new website reflects an organizational Group of several firms. It gives global and individual views via the characterization of each of nine companies. Activities, pictures, files and many other options are available fast and easily. You just need one click to get a hint of what we have and to add us in your favourites. ■



ARMINDO ARAÚJO AT HIS BEST

## WE THANK YOU!

A Rally Australia 4th place was possible and turned Armindo Araújo into the World Rally (Production class) Champion – final decision is awaited by FIA as Nasser Al-Attiyah appealed on his disqualification from the Acropolis Rally.

“That was our goal when we entered WRC. World Rally is no easy task, though with commitment and efforts from the whole team, even during the hardest times, we managed to reach our target. A special thank to my sponsors, TMN, Galp and MCA, for believing and for supporting me” ended to say the new PWR Champion. ■



MCA – PSS: PORTO  
“PARQUE DA CIDADE” SYNTHETIC FIELDS

## WELL DONE.

We give our best to complete sports infrastructures for the Sport Club of Porto with different sizes and objectives. The outcome will comply with quality standards for both athletes and population.

- The integrated sports stadiums serve Hockey and Football actions. For polyvalent, resistant and esthetic reasons; they combine diverse characteristics ranging from density, damping, easiness (regarding playing purposes), among others.
- Synthetic 5 players Football Fields with an updated construction system equivalent to a 11 players Football field. This field may serve for recreational volley-ball.
- Two contiguous Synthetic Beach Volley Fields combining recent Technologies and sports equipments can be adapted either for recreational and competition purposes. ■

