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## Introduction

Welcome to the first issue of 'Fagioli PSC News'. The aim of this newsletter is to keep our valued clients and employees up to speed on the latest developments within the Fagioli organisation. It also gives you a taster of the kind of projects Fagioli PSC have undertaken over the last 12 months.

We hope you enjoy our newsletter and welcome your comments on our first issue.

Please send your comments and contributions for future issues to:

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## IN THIS ISSUE

- Overview of 2004
- Projects in 2004
- New Middle East Offices
- Exhibitions in 2004
- US Office Relocation
- Employees News

## Overview - 2004



The year 2004 has seen a change in the Company for the first time in a few years. The investment made in equipment by our parent company has begun to pay dividends and we have begun to use some of their technology in our business.

Fagioli PSC Asia has been very successful with the mix of traditional strand jacking business and turnkey packages.

In South Korea we have seen results in another of the Fagioli SpA products, with the introduction of the project logistic management, and in India we have, after a long trek, begun to see results in the power industry.

In the United Kingdom there have been some major and exciting projects in which we have been involved. This is the first time for many years that major projects have been awarded on our home ground.

The lifting and movement of the 2,800 tonne Gatwick Air Bridge combined our lifting expertise with the transportation expertise of Fagioli SpA and was a very successful but very challenging project.

The "Roll-Up" of the Wembley Arch was a very intricate operation but on a huge scale and the Terminal 5 Roof Lifting continues to change the skyline at Heathrow Airport, as indeed will the new Visual Control Room which has just been successfully moved across the main runway at Heathrow and is due to dominate the skyline in the New Year.

The above projects have challenged our company particularly as they are all in the public eye. All concerned deserve the congratulations given to them by the relevant clients.

Les Brown, Managing Director

## Projects - 2004

### Gatwick Air Bridge



Fagioli PSC were sub-contracted by Watson Steel to transport and erect the connector bridge to the new pier at Gatwick Airport.

To minimise the disruption to the UK's second busiest airport the 140m long, 2,800 tonne bridge was constructed outside the airport and then transported to site and erected during a taxiway closure of just 10 days.

To achieve this, the lifting system was fully assembled, erected and tested at the bridge construction site. The bridge together with the lifting system was transported as a single unit over a distance of 1km using two sets of 60 axle lines of self-propelled modular transporters (SPMTs).

### Terminal 5 Roof Lift



The new Terminal 5 main building at Heathrow Airport has a roof structure with a total weight of 18,000 tonnes. On completion this roof structure will be the largest single span building in the U.K., the total floor space occupying the equivalent of 50 football pitches.

Fagioli PSC were contracted by Watson Steel to lift the Terminal 5 building roof in six parts during a nine month construction period using sixteen computer controlled L180 jacks, powered by individual electric power packs with all jacking operations being undertaken from a central control cabin located on the ground.

### Mad Dog & Kristen Loadouts



Fagioli SpA performed the loadout of two living quarter modules in Gothenburg, Sweden for Pharmadule Emtunga. The first loadout was for a 2,200 tonne Kristen Living Quarters (above). The loadout was performed using 138 axles of SPMTs to move the structure 500m from the fabrication hall to the loadout quay. The site move was particularly challenging as the exit from the hall required a 90 degree turn with as little as 1m clearance on either side.



Three weeks later Fagioli SpA carried out another loadout of a 1,200 tonne BP Mad Dog module (above) destined for the Gulf of Mexico. This project was similar to the previous loadout as the site move also required a sharp 90 degree turn on leaving the fabrication hall and then a 180 degree 'carousel' turn to ensure the L.Q. Helideck would not clash with the ships starboard side crane pedestals.



### Spinnaker Tower



The Spinnaker Tower is a new national landmark at the entrance of Portsmouth Harbour, UK. It was built alongside Gunwharfs Quay as part of the Renaissance of Portsmouth Harbour Project. Fagioli PSC provided the design, supply and operation of a strand jack system to lift, rotate and place the lower parts of the bow complete with the cruciform centre piece, they were then held in place whilst the permanent connections were made. When complete the tower will reach a height of 165m.

### Changi Airport Terminal 3



To cope with the increasing amount of passengers coming in and out of Singapore and the next generation aircraft A380, the new terminal 3 was built at Changi Airport. Fagioli PSC Asia was awarded the contract to carry out the lifting for 10 bays of roof trusses. Each roof truss weighed 610 tonnes with a width of 15 metres and a span of 220 metres.

### Tuas Power Station, Singapore



Fagioli PSC Asia was awarded the contract to install the gas turbines & generators for Tuas Power Station Block 3&4, Singapore. 150 tonnes of temporary structure was designed, supplied and erected by Fagioli PSC

The lift required six L100 PSC jacks and a L12/8E power pack to perform the synchronisation of the jacks.

### Wembley Arch Lift



Fagioli PSC supplied and operated twenty L600 jacks and power packs for the roll-up pulling equipment and five L600 jacks and power packs for the arch hold back equipment, including two control systems working in conjunction with each other to simultaneously roll-up the arch.

### Ixtal "A" Deck Loadout



A 2,500 ton jacket loaded out over 450 feet in Corpus Christi, Texas. The combination of 4 x L180 Strand Jacks and an L4/35D power pack achieved pulling speeds up to 60 feet per hour. The loadout was one of the smaller of eight Strand Jack loadouts, ranging from 1,800 tons to 7,600 tons, carried out in Texas and Louisiana during 2003 and 2004.



## Project - 2004

### Prairie Island Nuclear Power plant



Fagioli SpA won the contract to transport two Replacement Steam Generators from the Framatome manufacturing plant at St. Marcel, France to Prairie Island. Due to constraints at the power plant the two RSGs had to be moved in four pieces. Two pieces weighed 130 tonnes and the remaining two pieces weighed 222 tonnes. Fagioli SpA transported the RSGs by barge to Fos Sur Mer near Marseille and transferred them to a ship to move them to New Orleans. Once the RSGs had reached New Orleans they were shifted to a barge and secured for the remainder of the journey on the Mississippi River to Prairie Island near Red Wing, Minnesota.

### Sabratha Jacket Roll-up



Fagioli PSC carried out independent roll-ups of the two outer panels complete with pile clusters for Intermare Sarda.

Four L600 jacks were used for the first roll-up as well as a hold back system consisting of two L600 jacks to offset the over turning forces imposed on the jackets central core by the outer panel loads. The second panel used five L600 jacks and was offset by the three quarter completed jacket.

### Yoho Topside



Sime Sembawang Engineering contracted Fagioli PSC Asia to carry out the lifting of the Yo-Ho EPC2 deck. The 740 tonne upper deck section was constructed at the lift location and lifted using 6 of Fagioli PSC's 24 metre high square format towers and 12 Strand Jacks. This allowed the installation and mating of the main deck section.

The upper deck was then lowered and connected to the main deck section below. The weight was then transferred from the lifting system onto temporary supports whilst the lifting cables were re-set to the connection points on cantilevers on the main deck.

The two deck assembly weighing 3,735 tonnes was then lifted whilst the lower deck section was delivered underneath, this was then lowered and connected to the assembly below. The weight was then transferred to temporary supports whilst the lifting system was dismantled.

The aircraft Hangar 5 project forms part of Singapore Airline's 6 year expansion project to accommodate the increase in maintenance of their first class air fleet.

SIA hanger 5 roof with dimension of 90m by 85m was erected by Fagioli PSC Asia. The lift required 18 permanent columns each with a L100 Strand Jack mounted on top, giving a total lifting capacity of 1890 ton.

The lift was controlled by two L12/8E power packs.

### Hanger 5 Singapore Airlines



## Heathrow Visual Control Room

The new VCR Tower at Heathrow Airport located near Terminal 3 has started to take shape. Fagioli SpA transported the top section of the tower weighing 900 tonnes 2km across the airfield on the 29th October using three 6 axle SPMTs controlled remotely. The top section was pre-fabricated on a remote site just inside the airports Southern boundary to minimise any impact on Heathrow's operations.

Throughout 2005 Fagioli PSC will carry out the lifting of the VCR using their lifting system comprising of three triangular 16 metre towers and three L600 Strand Jacks. The top section of the VCR will be lifted 12 metres at a time to install underneath 5 x 12 metre steel sections.



## Marathon Equatorial Guinea



Fagioli PSC USA were contracted by Marathon to provide transportation of heavy pieces from the port to their refinery in Malabo, Equatorial Guinea. The project required 24 lines of SPMTs and a hydraulic gantry as well as 2 - 4 men on site for approximately 1½ years to transport and install refinery processing equipment including reactor vessels up to 300 tons. Fagioli received letters commending the crew, staff and company for a successful operation.

## Hammerfest



Fagioli SpA carried out the transport, lift and installation of 100 modules for a new LNG plant under construction on Melkoja Island off the Northern coast of Norway. The project is to be carried out through the warmer months of 2004 and 2005 due to extreme weather conditions.

## LLOG Deck and Jacket Loadout



A deck and jacket were loaded out with SPMTs at Chet Morrison's Fabrication yard in Houma, Louisiana. Both pieces weighed about 700 tonnes. The jacket was moved from the yard area onto a barge using 10 meter long ramps also supplied by FPSC.

The jacket had to shift to the side to line up with the barge, an ideal application of SPMT capability to turn 90°. The deck was moved to the bow of the barge to complete operations. Crews worked through rain and difficult conditions to complete the job successfully and on schedule.

## Tanjung Jati Power Plant

Fagioli PSC provided sixteen L100 jacks for the lifting of two 240m high stack liners. Each liner weighed 390 tonnes and was lifted by eight L100 jacks. The lifting was controlled by a L8/3E power pack situated at the top of the structure for synchronised lifting.



## Middle East Offices

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Two new offices opened in the Middle East throughout 2004, the first opened in Abu Dhabi at the beginning of the year in order to tap into the enormous business potential in heavy transportation, heavy erection and project logistics management services in the UAE and greater Gulf Corporation Council. This office is managed by Patrick Richardson.

The second office is in Bahrain under the Almajdouie PSC joint venture (MPSC). This office will be managed by Terry Maddison and should be operational within one month. This office will serve as the regional centre for the Fagioli Group given its strategic location in the Middle East

In common with other group offices they are targeting business largely in the oil / gas / petrochemical, offshore, power and civil construction sectors.

The initial plan was for Abu Dhabi to handle sales and marketing for UAE, Oman, Yemen and Qatar leaving the balance of the region to MPSC. Due to the delayed opening of MPSC, however and due to some interesting projects on the Indian sub continent the involvement of the Abu Dhabi office has increased.

Plans for the future are not certain due to the possible involvement of MPSC in the UAE which could lead to an increased presence in forwarding with a Dubai office being considered.

## Exhibitions in 2004

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Fagioli PSC exhibited at two exhibitions this year both in the Middle East. The first at PowerGen Middle East in Bahrain from 13th - 15th September 2004. This focused on power generation, transmission & distribution and associated desalination issues. The exhibition went well and we had many visitors to our stand including HRH Prince Michael of Kent.



The second exhibition was ADIPEC which stands for Abu Dhabi International Petroleum Exhibition & Conference, this was a 4 day event from 10th - 13th October 2004. Fagioli took space on the Abu Dhabi Oilfield Services Est. (ADOS) stand, a company which has steadily expanded with the growth of the oil industry in the region since 1972. This enabled us to make contact with many of their established clients.

## US Office Relocation

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During October 2004, Fagioli PSC USA relocated to a larger, better equipped facility on the south side of Houston, Texas.

This facility offers approximately 3 acres of yard space with a 20,000 sq. ft workshop and office space. We now have ample room to store and maintain the growing inventory of equipment now based in Houston, including a recently arrived 1,000 ton capacity Fagioli PSC Towerlift system.

Other equipment already here, or arriving in the coming weeks, includes a variety of Strand Jacks and SPMT equipment to service a range of projects to be carried out over the remainder of 2004 and well into 2005, including the loadout of a 28,000 tons jacket, transportation of 2 x 550 tons nuclear steam generators, and various projects in the Offshore, Power and Petrochemical industries throughout the US and into Canada.



Being the local office to the global Houston market, with practically all of the major players in many industries having significant presence here, we are in the fortunate position of being able to develop and service close relationships with our clients on a formal and informal basis. This, coupled with the fact that we are now becoming a familiar face after 5 years in the area, means that we have been able to develop some strategic alliances and preferred contractor agreements that are already beginning to produce short term results and other work secured for the long term.

**Steve Price, General Manager of Fagioli PSC USA**



# Employee News

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## New Starters

**Ian O'Sullivan** joined Fagioli PSC Limited in March 2004, from a large UK Crane Company, his employment is part of our continued development to take the company forward with computer aided design.

**Rory Anderson** joined us later in the year, he has joined a team of experienced engineers.

## Retirements

I would like to take this opportunity to wish **Joe Blair** all the best in his retirement. Joe has been with the company since 1984 as a Rigging Supervisor, he retires in December 2004.



## Long Term Service

I would like to congratulate the following for their long term service at Fagioli PSC:

**George Wilson** - 25 years service on 13th August 2004.

**Jack Singh** - 30 years service on 3rd June 2004

**Denis Blake** our longest serving employee who has been with the company 32 years. Between them they have provided over 8 decades of service. Well done boys!

## Marriages

Our congratulations to Kingsley Woodland who finally made an honest woman of his long term girlfriend Julie. They were married in Mauritius on 31st March 2004.



## In Memory

We would like to express our sincere regrets to Mr Gianfranco's family and his loved ones. Sadly, Mr Gianfranco Fagioli died suddenly on 12th August 2004, while he was on holiday in Puglia (southern Italy). Mr Gianfranco was the Vice President and Managing Director of the Fagioli Group. He was highly thought of within the company and by the people of S'Ilario D'Enza for his contribution to humanitarian and social initiatives.

Mr Gianfranco as a mere 20 year old started working with his father Giovanni (the founder of the company) and his elder brother Alessandro, together they have made Fagioli into one of the leading logistics, heavy transport and heavy lifting companies in the world. Mr Gianfranco has two sons Giovanni and Carlo who have followed their father's foot steps in becoming part of the top management at Fagioli.

Gianfranco spent his life dedicated to both work and his family he also put time aside for his passion, which was hunting.

## Fund Raising

Four members of Fagioli PSC: Joan Wild, Pet Willis, Janice Hannam and Nicola Mowatt (see photo below) together raised over £800 for Breast Cancer Research by doing a sponsored walk around Upton Park. Joan also went on to do a further 15 mile walk later in the year.



Sara Wiltshire raised money for Breast Cancer Research by doing the Moon Walk, walking over 26 miles throughout London overnight. Well Done Sara, Keep it up for next year.

## Contributions

I would like to express my thanks to those who contributed to our first issue of Fagioli PSC News. Contributions from yourselves no matter how small are key to a successful news letter.

I hope you have enjoyed our first issue of Fagioli PSC News and are looking forward to our next issue in June 2005.

Please keep sending your contributions and comments to me via e-mail [n.mowatt@fagiolipsc.co.uk](mailto:n.mowatt@fagiolipsc.co.uk)

Lastly I would like to wish everyone on behalf of Fagioli PSC

# A MERRY CHRISTMAS

and all the best for 2005!

Nicola Mowatt, Publicity Officer



Visit our website [www.fagiolipsc.com](http://www.fagiolipsc.com)