

METRICS

06 - july 2014 - Newsletter Trescal Group

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CALIBRATION, SOLUTIONS
TO IMPROVE YOUR PERFORMANCE



Editorial

Sébastien Sterckx
VICE-PRESIDENT, SALES &
MARKETING DIRECTOR

Dear all,

Two recent acquisitions in the United States bear witness to Trescal's continuing geographical growth, giving the company a presence in both Atlanta and California. In the countries where Trescal operates, we support our drive for growth with ambitious investments. In particular, this lets us internalise a greater proportion of services and improve that service within as short a time frame as possible.

But such efforts would hardly make sense were they not backed up by moves to reinforce our local availability to customers. All of this relies on the day-to-day commitment by our teams to provide service on an ever-improving basis.

This new Metrics formula, a tool previously reserved for our own employees, aims to give a better understanding of the scope of our services, whether in relation to technical fields (here, for example, the field we are devoted to is torque), repair activities or inventory supply and management, for example.

We hope that you will find it an enjoyable and useful read.

We are aware that it is only through the continuous improvement of our service quality that we can hope to ensure the ongoing growth of Trescal. We are eager to hear any comments you may like to make on reading through these pages.

Happy reading!

METRICS
Trescal Group In-house Newsletter

metrics.news@trescal.com

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SPAIN

TWO NEW CONTRACTS IN SPAIN

Trescal Spain is now in charge of calibrating large cameras for Spanish aerospace group Aernnova, having signed a three-year contract. A contract was also finalised with Formaset, an industrial company specialised in wooden packaging inspection, which requires calibration and characterisation of installations by heat treatment (according to standard NIMFO15).

GERMANY

TRESCAL GERMANY, A VALUED PARTNER

In February, Trescal Germany became the Authorised Service Provider (ASP) in Europe for manufacturer Ipetronik.

NEW CONTRACT WITH BOSCH

On the 20th of January 2014, Trescal signed a deal with Bosch, making it the group's official service provider for its European activities.

UNITED KINGDOM

MERGER OF TWO LABORATORIES

After taking over Aeroflex Test Services in September 2013, Trescal merged two UK laboratories, Glenrothes and Donibristle (Scotland), and Hitchins and Stevenag (London). This amalgamation paves the way for synergies both technical and commercial, and consolidates Trescal's position in Britain.

USA

ACQUISITION OF TWO LABORATORIES IN ATLANTA

In April, Trescal acquired Instrument Calibration Services and Test Equipment Repair Corporation, both in the Atlanta region. The two laboratories are A2LA-accredited calibration and repair service providers. Between them, they employ 24 people, including 18 technicians. The deal was made possible thanks to the support of Ardian, Trescal's majority shareholder. It confirms Trescal's ambition to become one of the leading companies in its field in North America, and to further develop its technical offering, particularly in electrical repairs.

DENMARK

SUCCESS FOR THE COPENHAGEN OPEN DAY

The Copenhagen laboratory's open day on the 13th of May was a great success, with many in attendance. More than 100 representatives from 47 companies made the trip to meet the teams from the Copenhagen lab. The event should contribute to the growth of business for this laboratory specialised in avionic instruments.

OPEN DAYS CALENDAR

- > **Germany** – Darmstadt (4th June)
- > **Germany** – Parchim (2nd semester)
- > **France** – Toulouse (5th June)
- > **France** – Grenoble (9th October)
- > **United Kingdom**
- > **Netherland** – Hengelo (November)
- Donibristle (19th August)
- > **France** – Metz (20th November)

> SWITZERLAND

A LABORATORY WITHIN EASY REACH



LOCATED IN PLAN-LES-OUATES, NEAR GENEVA, TRESICAL'S LABORATORY IN SWITZERLAND (FORMERLY INTERMES) WAS ESTABLISHED IN 2008 TO BETTER ACCOMPANY ONE OF OUR CUSTOMERS — AN AERONAUTICAL FIRM — WHO NEEDED A LOCALLY AVAILABLE LABORATORY. THE CLIENT WISHED TO REDUCE THE TIME THAT EQUIPMENT WAS OUT OF SERVICE FOR METROLOGICAL OPERATIONS.

Corinne André, Production Manager at the site, presented the activities of the laboratory thus: "We work with the aviation industry for the most part, including our customer of long standing, Jean Gallay, among others. However, we also work a lot with watch-makers, which is something of a local speciality". With our customers in the watch-making industry, their requirements are all the more demanding. The quality of our metrological work must be beyond reproach, but "aesthetic concerns are also among the chief considerations", Corinne André explained.

To serve our customers in these industries, the Geneva lab mainly deals with dimensional metrology, which makes up 90% of its business. The instruments dealt with range from slide callipers, to outside micrometers, plain ring and plug gauges, etc. Repair services make up 15% of our dimensional metrology business. The laboratory also works in other fields such as torque, temperature, and pressure, which of course are very important in aeronautics.

The geographical location of the Geneva lab means that Trespical can take advantage of comple-

mentary areas of competence from the laboratory in Grenoble, which is only 120 km away in France, as well as discussions with our colleagues in Trespical Germany when they are working for a common customer (e.g. Bosch). Trespical Switzerland also works in close partnership with the Grenoble laboratory when it comes to calibrating electrical instruments.

Now established in the French-speaking part of Switzerland, Trespical aims to strengthen its activities throughout the country as a whole, and pursue the growth of its business in precision mechanics, particularly with industrial customers operating high-precision electro-erosion machining plants. Jean-Marc Hermet, Grenoble Branch Manager, described Trespical's plans in this regard: "This growth will again reap the benefit of complementary areas of competence handled here in Grenoble. We will be in charge of the electrical aspects, while Trespical Switzerland will pursue the mechanical work". Trespical's growth in Switzerland will also come, in part, from the pharma sector. There are many pharmaceutical companies in the region that are looking for the kind of local services that our Geneva laboratory can offer them.



CORINNE ANDRÉ,
PRODUCTION MANAGER
AT THE GENEVA SITE



JEAN-MARC HERMET,
GRENOBLE BRANCH
MANAGER



> ACQUISITION

NEW LABORATORY IN THE WEST



IN OCTOBER 2013 TRESPICAL ACQUIRED THE CALIFORNIAN CALIBRATION COMPANY SE LABORATORIES. METRICS INTERVIEWS **ANDREW ZILLMAN**, MANAGER OF SE LABORATORIES ON THE COMPANY'S IDENTITY AND ITS AMBITIONS AS A NEW MEMBER OF THE TRESPICAL FAMILY.

What is SE Laboratories' background and historical activity?

"SE Labs was founded in 1978 in Santa Clara, California, with the mission to provide quality calibration and repair services to the burgeoning electronics industry in the Silicon Valley. With the rapid growth of

semi-conductor and high-technology sectors SE Labs established itself as a leader in calibration services for clients in sectors such as telecommunications, networking and semiconductor; aerospace & defense and Life sciences."

What are SE Laboratories' strengths and specificities?

"SE Labs is ISO/IEC 17025:2005 A2LA accredited, and is well-known in the Valley for its capabilities in the RF and Microwaves fields. We're also making great strides in the EMC field, and we're performing accredited calibrations of many varieties of compliance equipment, as well as harmonics and flicker testing in accordance to the latest IEC/EN standards."

After Trespical's acquisition of SE Laboratories, what outcomes did you expect?

"The acquisition brings the West coast and the East of the United States together. With SE Labs' broad scope of accreditations and the expertise of the eastern laboratories of Trespical US (Chicago, Cleveland, Dallas, Detroit, Houston and now Atlanta) Trespical's activity in the US will strengthen and grow.

Our clients were pleased with the general ease of the acquisition and the continued great service levels. As part of Trespical's worldwide network, we now have an immediate global presence, and can better support customers wherever they are, as a single service provider."



Torque calibration on automatic bench (Vendôme)

> EXPERTISE

TORQUE

THE RIGHT PARTNER

“TORQUE MEASUREMENTS ENABLE THE TIGHTNESS OF AN ASSEMBLY TO BE CONTROLLED MOST ACCURATELY”. THIS IS HOW BERTRAND JACQUIN, PRODUCTION MANAGER AT THE VENDÔME LABORATORY (FRANCE), SUMMARISES ONE OF THE MAIN INTERESTS OF METROLOGY IN THIS FIELD.

AN ESSENTIAL APPLICATION

Torque is the product of force and distance ($T=F \times D$), measured in N.m (Newton-metre) or ft·lb (foot-pound, unit of the imperial system used in the United States), in other words the turning effort applied to a shaft. Metrology has a strong impact on the quality and safety of industrial activities in this field: “Tightening mechanisms concern all industries. Tightness must be controlled so as not to put pressure on the materials assembled and risk damaging them, which would weaken the whole structure. Conversely, the assembly must be sufficiently tight for the structure to be firmly held together”. Note that even in the electronics field (microwaves) the tightening torque of some connectors can have an influence on the measurements. Fulvio Fenotti, Quality Manager at the Brescia laboratory, illustrates a concrete application in the automotive industry, a major sector for Trescal Italy: “The exhaust elbows for combustion engines, for example, require highly rigorous assembly and tightening, with uniformity of the load on this type of part maintained by numerous screws and nuts”. Trescal’s activity in this field is therefore highly involved in numerous industrial sectors including automotive, aerospace (notably Airbus and its subcontractors), energy, rail transport and so on.

EXPERTISE IN A WIDE VARIETY OF EQUIPMENT

Torque metrology concerns the tools applied to these tightening mechanisms and the equipment used to check them. There are four types of instrument and equipment: tools (dynamometric wrenches and screwdrivers, torque wrenches, etc.) checked in accordance with standard ISO 6789, screw guns checked in accordance with standard ISO 5393, torque meters (or sensors) calibrated in accordance with guide EA 10/14 “GCSTM-ver.00” and finally, test benches comprising torque sensors and a display. “To check a dynamometric wrench, it is coupled to the gauge sensor mounted on the bench, which is used to generate a torque up to that set on the wrench, by torque setting or deflecting beam. The value displayed by the gauge is transmitted and then analysed by our Trescal Lab Manager (TLM) software to determine whether the wrench conforms with the Maximum Permissible Errors (MPE) stated by the standard: 4% to 6%”, explains Bertrand Jacquin. The Trescal teams have manual and automatic benches to perform these calibrations. In Spain for example, Trescal Spain’s Assistant Technical Manager, Luis Miguel Reina, has teams working with a Norbar manual bench that can generate a torque of up to 2,500 N.m. Meanwhile, José Pires, Industrial Development Manager, underlines the benefits of automation: “In Vendôme we have a



FROM LEFT TO RIGHT AND TOP TO BOTTOM : JOHN BUCKLEY, PAUL CHARMAN, CHRIS EVANS, FULVIO FENOTTI, JAVIER GALVEZ, BERTRAND JACQUIN, LUIS MIGUEL REINA, PETER PAULMANN, JOSÉ PIRES, ERIK VERSTRAELEN

CALIBRATION AND REPAIR IN THE UNITED KINGDOM

The Trescal laboratories in Donibristle and Manchester in the UK have very good skills in the field of torque measurements, with UKAS accreditation up to 2,500 N.m. on the Leigh site in particular. Paul Charman, Technical Manager, explains what is special about his laboratory: "We calibrate dynamometric tools in accordance with the requirements of standard EN ISO 6789 and perform the calibration of the torque sensors used on the benches in conformity with British standard BS 7882. We are also able to repair the majority of manual tightening tools."

Trescal in the UK also specialises in the metrology and maintenance of mechanical assembly tools for aerospace, or Air tools. These tools are intensively used, particularly by Airbus in the mechanical assembly of the wing of the Airbus

A 350. John Buckley, Trescal Manager at the Broughton site, explains the partnership with Airbus: "In 2011, following stiff commercial competition, Trescal was awarded the calibration and maintenance services for these Air tools on the Airbus site in Broughton. It was the competitiveness of our bid and our knowledge of the quality requirements inherent in the aerospace industry that prompted Airbus to choose Trescal as its partner. Since winning this contract, we have calibrated over 228,800 instruments and performed over 31,000 maintenance operations. On this site we rely among others on a BLM mobile bench that can be used for mechanical and electronic tools, as well as pulse tools, up to 1,000 N.m.". The Airbus teams, highly satisfied with the relationship, have extended the contract for two additional years, up to 2016.

The expertise acquired and the success of this contract have encouraged Trescal to develop the Air tools activity. The group plans to extend the maintenance activities to its customers in the UK in June 2014, notably for the 8 sites of one of our customers specialising in engine manufacture.

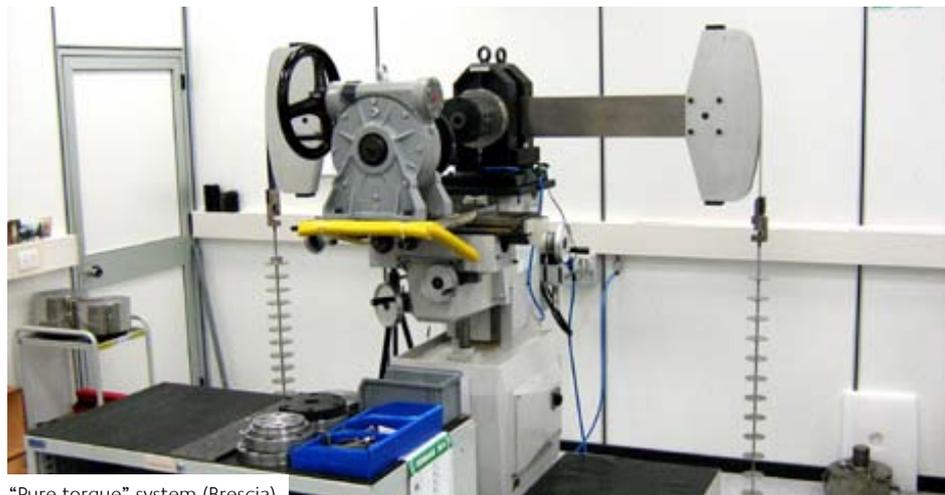
Chris Evans, Purchase Project Engineer at Leigh lists the levers used to promote the development of this offer: "From June, Trescal will offer a very comprehensive range of Air Tool metrology and maintenance services provided in a fitted vehicle. This innovative service that guarantees the required levels of quality and traceability also enables the immobilisation lead times and intervention costs to be optimised, whilst benefiting the customers with regular support from specialist engineers."

Stahlwille "robotised" bench whose software interfaces with TLM". The Esslingen laboratory (Germany) also has a Schatz automated measuring bench; Peter Paulmann explains that "thanks to this bench we are calibrating torque wrenches under accreditation in a range from 10 N.m. to 1,000 N.m. with an uncertainty of 1%". Outside of accreditation, the laboratory is capable of providing measurements of up to 2,000 N.m.

Trescal also calibrates torque meters using the fundamental method ($T=FxD$) known as "pure torque". The special bench designed by the Vendôme laboratory reproduces the torque applied by the dead weight to the lever arm at the sensor to be calibrated. Thanks to the aerostatic bearings that support the lever arm there is no transverse torque or resistant torque (friction). This system is thus capable of generating a torque of up to 1,500 N.m, making the Vendôme laboratory the only commercial lab in France to be able to calibrate all static and dynamic torque meters under accreditation. On a global scale, Trescal laboratories' capabilities extend to 4,000 N.m. This is the case in Antwerp, Belgium, as Erik Verstraelen from the mechanical laboratory explains: "We are capable of calibrating torque meters up to 4,000 N.m. in accordance with the European metrology guide EURAMET cg-14 using a 'pure torque'". The installation of a pure torque machine to perform these calibrations is the result of specialist expertise: "We have developed our pure torque machine in partnership with the Italian National Institute of Metrological Research (INRM)" explains Fulvio Fenotti, in charge of installing this equipment in Italy.

PARTNERSHIP WITH MANUFACTURERS

To maintain the quality of its calibrations, Trescal is investing in fruitful partnerships with constructors such as Schatz, Stahlwille, Crane and AKO, who supplied an automated measuring bench for dynamometric wrenches in Antwerp, as well as Norbar (a very high level supplier of manual bench systems).



"Pure torque" system (Brescia)

Today the field of torque is facing an explosion in quality requirements. As José Pires explains, "Trescal must ensure its measuring benches are at the best level. We must anticipate problems and to that end we are conducting in-house intermediate inspections on all our equipments between its periodic calibrations". Technology, like quality requirements, evolves very rapidly, and Javier Galvez, Technical Manager at Trescal Spain, observes that on his market: "There is a very high demand from our customers to calibrate increasingly high performance and varied equipment (hydraulic tools for example). In Saragossa we have the objective of extending our measuring range to 5,000 N.m. very quickly!"

This objective is shared by a number of Trescal laboratories in order to best meet market requirements. As proof of this, the Metz laboratory in France has recently invested in a Norbar hydraulic wrench inspection bench of 50,000 N.m, within the framework of new services provided for nuclear power stations.

ASSET MANAGEMENT



TOGETHER

INVENTORY MANAGEMENT FROM CALIBRATION TO FIELD LOGISTICS



ADAM WEBB,
DIRECTOR OF SOUTHERN
OPERATIONS



RANDY JOHNSON,
DIRECTOR, BUSINESS
DEVELOPMENT

In 2012, Trescal USA was approached by a fortune 500 company to provide calibration, asset management, and logistic support for their field service organization. They were experiencing difficulty keeping the field service organization equipment database current with accurate information including calibration records, equipment shipments and location, available spare inventory and invoicing.

The field service organization mission is to maintain back-up power generation systems for critical systems specialized in protecting and improving infrastructures support for any application where loss of data or equipment is essential eg; healthcare or hospital operating systems, financial and banking systems... This demands immediate response to their clients when a back-up system fault occurs.

Trescal was called upon to provide a comprehensive asset management system solution for calibration with superior service and improved turn-around metrics. Trescal was able to exceed customer expectations by providing a calibration service depot and implementation of our field-proven TAM Online asset management applica-

tion software and breadth of quality calibration services.

The customer's field service organization consists of 500 field service engineers (FSE), and involves the tracking of some 8000 assets. Each of the FSE service kits are calibrated annually, and pro-actively rotated in and out of the field. They are tagged for return control, and the returned kits are then checked in at the Trecal depot to be inspected, repaired or replaced.

In addition to standard kit calibration and rotation, the customer also has a finite quantity of high-end or specialized assets that require priority calibration turn-around service. Trecal's asset management system identifies this equipment upon send-in for expedited service and return to the field. The equipment is immediately calibrated and returned to the field to maximize field service test and trouble-shooting readiness.

Trescal equipped the customer with the software tools, services, and personnel uniquely qualified to provide a tailored solution that exceeded customer expectations, and set a new level of performance whereby other vendors are now measured.

EXPERTISE

ACCESS A COMPREHENSIVE OVERVIEW OF EQUIPMENT INVENTORY

There was a large industrial group working in the energy, healthcare, and infrastructure sectors. The group had the objective of reducing costs to become more competitive and improve service quality. To turn that ambition into a reality, the group needed to manage its itinerary of equipment more efficiently and cut down on the time devices were taken out of operation for recalibration. It needed to optimise its management of equipment logistics and storage.

With its one-stop-shop offer, Trescal NV in Benelux was able to offer a metrology and inventory management solution that was both comprehensive and tailor-made. Trescal NV offered its services for the calibration, repair, and testing of all equipment for the customer, in accordance with Dutch standard NEN3140 for all operations related to work on electrical installations.

Through a web interface, Trescal NV was able to oversee the management and supply of equipment and tools for the customer's teams. Alex Rodenburg emphasises the fast efficiency of this digital solution: "Thanks to this web interface, each new piece of equipment can be immediately regis-

tered during calibrations, repairs, or new deliveries". The customer had the advantage of a comprehensive overview of its equipment itinerary and needs, as well as the activity of its suppliers. Trescal finally took over the storage of instruments in a dedicated warehouse, thereby freeing up the customer from a weighty logistical constraint.

On top of a comprehensive inventory management solution, Trescal also offers the customer tailor-made support, with a dedicated on-call maintenance technician and continuous monitoring of key performance indicators.

In the end, the customer reaped significant rewards from Trescal's inventory management solution, with major savings in terms of both time and money. To perfectly craft its solution to the needs of its customer, Trescal put itself in the customer's position and adapted its offer to the customer's processes and issues until it arrived at an optimal result. This successful model for collaboration has the added advantage of being transferable to other customers: "Now our aim is to develop this model for other Trescal customers in Benelux", concluded Alex Rodenburg.



ALEX RODENBURG,
ZOETERMEER BRANCH
MANAGER



UNITED KINGDOM



TOBY HOLT,
KEY ACCOUNT MANAGER

CHALLENGE

ONE CLIENT, SEVERAL ENTITIES, ONE GOAL: CENTRALIZED ASSET MANAGEMENT

A global technology leader for the Defence, Security and Aerospace markets has been based in the UK since 1968 and has grown over the years through a series of acquisitions. As a result, the group had no common test equipment policies across its business units and there were no measures in place to share under utilised test equipments between departments or business units. They decided in 2001 to establish a single Measurement Equipment Management Service and sought a 'One-stop' solution to increase the efficiency of its test equipment assets and reduce costs.

We offered a full test equipment management service supported by a full infrastructure in the UK and a web-based service developed in-house supported by internal automated processes. Our website had been recently enhanced and its integrated asset management functionalities has been backed up by a dedicated Helpdesk providing technical and administrative support. Furthermore, the company had developed automated processes to handle external rental transactions, test equipment request processing and automatic notifications to support the Asset Management functions. With these strengths and the client's overall satisfaction with

our partnership, they identified us as the company best suited to provide a One-stop solution for test equipment management services in support of the program.

Toby Holt highlights the added value it brought to the client "During the whole partnership, we have been able to provide our client with a full range of asset management services accessible 24/7 via the service website and across our unique network of laboratories and facilities in the UK. In this way, our client's Engineers could focus on core business knowing that a specialist company will support them". Thanks to our experience in Asset Management and the solution provided, the client reported a total saving of over £14M on Capital expenditure during the time concerned.

Even if our bid fully meets our customer needs, we are continually improving our services, and implementing improvements hand in hand with our customers.

After this 12 years collaboration, other customers could benefit from the established, proven services and processes that are already in place.



> MEETING WITH

GIOVANNI MUSATTI



IN 2014 TRESICAL ITALIA HAS A NEW FACE. LUIGI CHIARI HAS RETIRED AND GIOVANNI MUSATTI HAS TAKEN HIS PLACE AS GENERAL MANAGER. HE IS IN CHARGE OF TRESICAL ITALIA AND TRESICAL ROKURA (ROMANIA).

In 1999, after completing a degree in electronic engineering, Giovanni joined MG, a metrology company set up by Luigi Chiari in 1964. Working for Luigi Chiari proved to be a pivotal event. In fact, it opened the door for Giovanni to the Brescia-based company, where within only a few years he became the technical manager of the accredited laboratory.

Shortly after, MG was taken over by the Italian metrology company MARPOSS. Following this its accredited laboratory was sold on to Air Liquide in 2004. The laboratory became MG Tarature, whilst MARPOSS kept the rest of the MG business. Luigi Chiari took the reins at MG Tarature, while Giovanni remained technical manager at MG-MARPOSS: "Luigi asked me to remain there to take on new challenges, since as founder and ex owner; he still had the future of MG at heart". Nevertheless, in 2005, Luigi made the proposal to Giovanni to return to manage the calibration laboratory at MG Tarature, with the prospect of succeeding him. In 2007 Air Liquide sold MG Tarature, which was absorbed by Trescal. Giovanni acquired further expertise and responsibilities, and became technical director (IT and production line). "It was then that I learnt most from Luigi, regarding management, the practice of

group decision making, tackling problems... it really was a learning journey, I was able to benefit from the know-how of someone with over 50 years experience in company management!"

The farewell to Luigi comes at the same time as that to Vincenzo Ratti, ex sales manager, taken on by Luigi 45 years ago. The two men were very important figures within Trescal Italia, as Vincenzo had also performed various roles within MG and later for Trescal (technical, commercial...). "Trescal Italia owes them both a great deal" insists Giovanni.

"My mission at this point is to develop the business and expand the leadership of Trescal in the mechanical and physical sectors, but also to improve and grow the business of Trescal Rokura". Giovanni Musatti has the advantage of a quality team, and in particular of the new sales manager, Roberto Rolfi. The greatest challenge for Trescal Italia will be to guarantee the improvement of its laboratories on the electrical side, to become the main player in the market in this sector. It is a challenge that Giovanni is ready to take up: "we can count on a very motivated team, but also on a broad technical know-how in order to be successful and progress even further!"

Welcome to

Leon Austin
CALIBRATION TECHNICIAN
UNITED KINGDOM - MANCHESTER

Stefan Beerta
ONSITE TECHNICIAN
THE NETHERLAND - HENGLO

Stephen Bennett
CALIBRATION ENGINEER
UNITED KINGDOM
NOTTINGHAM

Marc Boute
ONSITE TECHNICIAN
UNITED KINGDOM - ZOETERMEER

Leonard Briere
De La Hossereye
M&A ADVISER
FRANCE - PARIS SUD

Brendan Buslig
TECHNICIAN
FRANCE - AIX-EN-PROVENCE

David Cameron
CALIBRATION ENGINEER
UNITED KINGDOM - INCHINNAN

Gierth Christin
LOGISTICS
GERMANY - NEUSTADT

Sebastien Crouzil
TECHNICIAN
FRANCE - TOULOUSE

John Daly
CALIBRATION ENGINEER
UNITED KINGDOM - BROUGHTON

Uhlig Daniel
TECHNICIAN
GERMANY - MAHLOW,
MTOC ROLLS ROYCE

Antonello De Gregorio
FIELD SALES ENGINEER
ITALIA - TRAVAGLIATO

Charles Dejanire
CSR
FRANCE - PARIS SUD

Vanessa Devis
COMMERCIAL AND LOGISTICS
ADMINISTRATOR
BELGIUM - WELING

Kirill Dybkov
LOGISTICS
FRANCE - GRENOBLE

Vincent Falou
TECHNICIAN
FRANCE - VENDÔME

Jordon Farrell
CALIBRATION ENGINEER
UNITED KINGDOM - MANCHESTER

Werner Gallis
TECHNICIAN
BELGIUM - ANVERS

Edward Graveney
CALIBRATION TECHNICIAN
UNITED KINGDOM - MANCHESTER

David Gray
BRANCH MANAGER
UNITED KINGDOM - NOTTINGHAM

Nawal Hamdi
FINANCE & HR ADMINISTRATOR
BELGIUM - ANVERS

Robin Hastie
UK GENERAL MANAGER
UNITED KINGDOM - YATELEY

Morris Hogg
CALIBRATION ENGINEER
UNITED KINGDOM - INCHINNAN

Leon Huisman
TECHNICIAN
NETHERLAND - ZOETERMEER

Carol Jarbinet
ONSITE TECHNICIAN
BELGIUM - ANVERS

Michael Jones
CALIBRATION ENGINEER
UNITED KINGDOM - BROUGHTON

Pätzold Jörg
TECHNICIAN
GERMANY - DARMSTADT

Matthieu Judek
CSR
FRANCE - PARIS SUD

Mais Jürgen Holger
TECHNICIAN
GERMANY - DARMSTADT

Patrick Kasper
CALIBRATION TECHNICIAN
UNITED STATES
HARLEY DAVIDSON, W

Rachel Lamarca
DRIVER
UNITED STATES - CLEVELAND, OH

Robert Mcelver
DRIVER
UNITED KINGDOM - DONBRISTLE

John McTiernan
CALIBRATION ENGINEER
UNITED KINGDOM - WOLVE-
RHAMPTON

Tim Mitchell
ONSITE TECHNICIAN
NETHERLAND - HENGLO

Francois Moise
SALES MANAGER
FRANCE - PARIS SUD

Alessandro Musatti
IT ENGINEER
ITALIA - TRAVAGLIATO

Lachkam Nabil
TECHNICIAN
GERMANY - ESSLINGEN

Janette Newbery
ACCOUNTS ASSISTANT
UNITED KINGDOM - YATELEY

Arien Nijland
CHAUFFEUR
NETHERLAND - HENGLO

Johann Parabis
TECHNICIAN
FRANCE - TOULOUSE

John Parr
CALIBRATION ENGINEER
UNITED KINGDOM - HUCKNALL

Wochnik Patrick
TECHNICIAN
GERMANY - HALVER

Alain Pegot
LOGISTICS MANAGER
FRANCE - TOULOUSE

Daniel Poindefer
TECHNICIAN
FRANCE - METZ

Kevin Price
CALIBRATION ENGINEER
UNITED KINGDOM - BROUGHTON

Vanessa Reveyrand
COMMUNICATION & TRESICAL
INSTITUTE ASSISTANT
FRANCE - AIX-EN-PROVENCE

Cyrielle Roman
CSR
FRANCE - AIX-EN-PROVENCE

Ian Salt
CALIBRATION ENGINEER
UNITED KINGDOM - DERBY

Yoann Sautet
TECHNICIAN
FRANCE - TOULOUSE

Matthias Schmidt
ONSITE TECHNICIAN
NETHERLAND - HENGLO

Paul Spindler
CSR
UNITED KINGDOM - YATELEY

Marc Stephan
LOGISTICS
FRANCE - BREST

Stephen Rickaby
GRADUATE ENGINEER
UNITED KINGDOM - GREAT
YARMOUTH

Trent Thomas
CALIBRATION TECHNICIAN
UNITED STATES - GM - MILFORD, MI

Jeffery Thompson
SITE SUPERVISOR
UNITED STATES - PRINCE GEORGE, VA

Kim Timini
SITE ADMINISTRATOR
UNITED KINGDOM - BRISTOL

Zeitler Tobias
TECHNICIAN
GERMANY - DARMSTADT,
GLEN DIMPLEX KULMBACH

Sylvie Vauquelin
LOGISTICS
FRANCE - LE HAVRE

Christopher Webb
CALIBRATION ENGINEER
UNITED KINGDOM
WOLVERHAMPTON

Leon Yang
TECHNICIAN
FRANCE - TOULOUSE

Nominations

Amiri Ahamada
PROCUREMENT MANAGER
FRANCE - PARIS SUD

David Baelen
KEY ACCOUNT MANAGER
FRANCE - PARIS SUD

Dominique Bernard
INFORMATION TECHNOLOGY
MANAGER
FRANCE - PARIS SUD

Philippe Blin
SALES DEVELOPMENT MANAGER
SWITZERLAND - GENEVE

Nathalie Bonnel
BRANCH MANAGER DE LYON
FRANCE - LYON

Laurent Flinois
SALES DEVELOPMENT MANAGER
FRANCE - TOULOUSE

Athanasios Kottis
CALIBRATION TECHNICIAN
OFFICIAL 2ND CONTACT
FOR THE CUSTOMER
GERMANY - ESSLINGEN,
DAIMLER SINDELINGEN

Laurent Labatut
CASH MANAGER
FRANCE - PARIS SUD

Claude Lenci
BRANCH MANAGER
FRANCE - AIX-EN-PROVENCE

Romain Leray
BRANCHES MANAGER
FRANCE - VENDÔME

François Moise
SALES MANAGER FOR FRANCE,
SWITZERLAND AND NORTH
AFRICA
FRANCE - PARIS

Alain Pegot
LOGISTICS MANAGER
FRANCE - TOULOUSE

Christophe Plaud
BRANCH MANAGER
FRANCE - NANTES

François Prospert
VICE-PRESIDENT, SALES &
MARKETING DIRECTOR
FRANCE - PARIS

Daniel Sauthoff
OFFICIAL 1ST CONTACT
FOR THE CUSTOMER
GERMANY - ESSLINGEN,
DAIMLER SINDELINGEN

Sébastien Sterckx
MANAGING DIRECTOR,
FRANCE, NORTH AFRICA
AND SWITZERLAND
FRANCE - PARIS

Andrew Zillman
BRANCH MANAGER
UNITED KINGDOM
SANTA CLARA