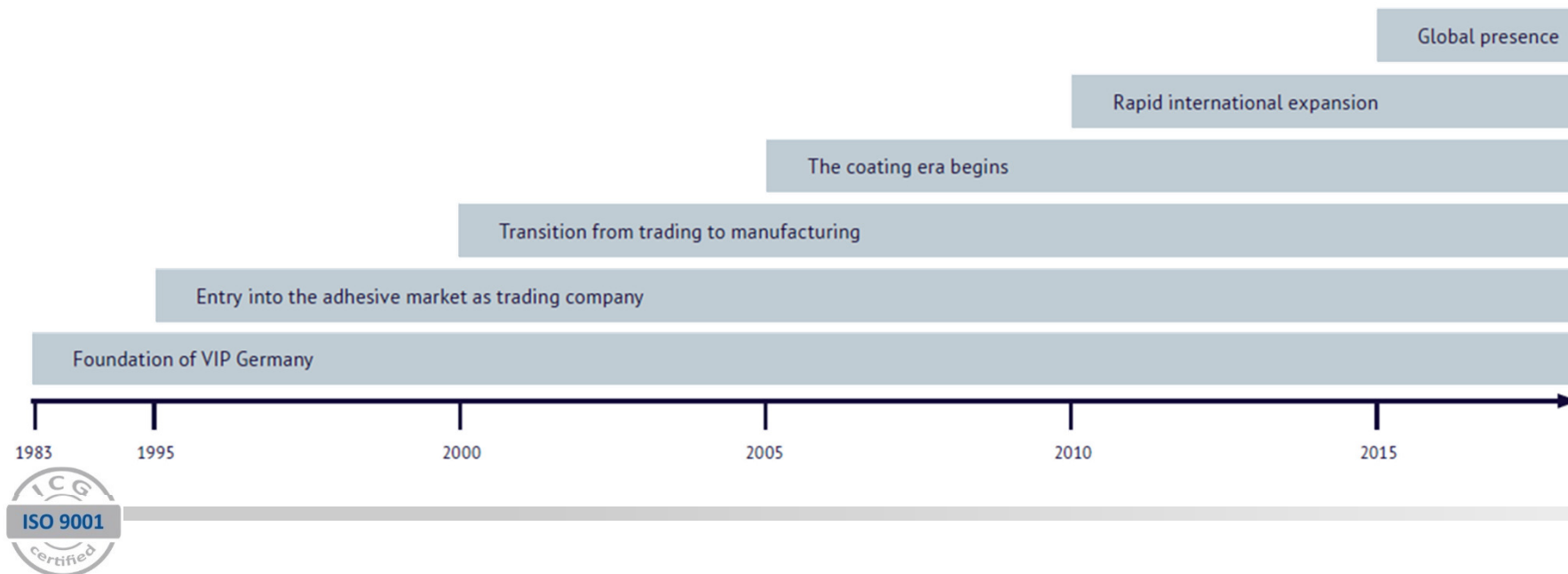




## PROTECTING YOUR ASSETS

THE MILESTONES IN  
VIPS EXCITING JOURNEY



### Privately owned company

- Alexander Voelkel (Managing Director)

**Group Sales** > 15 Mio USD

**Employees** ~ 40

**Export rate** ~ 60%

### Production Capacity

- Coating systems ~ 5.000 tons+
- Adhesives ~ 1,5 Million cartridges

### VIP worldwide

- Distribution partnerships
- Joint Venture manufacturing partners.
- Represented in over 50 countries

30% growth rate p.a. for the last 5 years



Company Head Office- Maisach (Munich), Germany

# VIP Group

VIP Industrial Adhesives GmbH

**VIP COATINGS INTERNATIONAL GmbH & Co. KG**

IP-Brand

Intl. Sales, Marketing & Tech Support for Licensors

R&D - Manufacturing – Premix Supply

Technical Support & Training

VIP COATINGS  
EUROPE GmbH  
MANUFACTURING

VIP-Delta Dubai  
MANUFACTURING

VIP India  
MANUFACTURING

VIP QUIMICA DO  
BRASIL LTDA.  
MANUFACTURING

VIP USA  
MANUFACTURING

VIP Asia  
CURRENTLY  
DISTRIBUTION  
WITH  
MANUFACTURING  
PLANS

VIP South Africa  
CURRENTLY  
DISTRIBUTION  
WITH  
MANUFACTURING  
PLANS

VIP Israel  
CURRENTLY  
DISTRIBUTION  
WITH  
MANUFACTURING  
PLANS

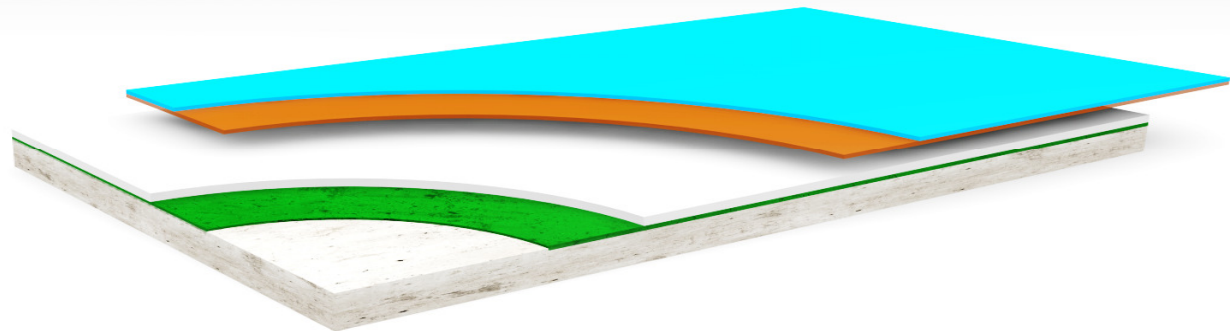


- ➔ ... Unique & Superior Product Formulations
- ➔ ... Focused on Technical Excellence
- ➔ ... Complete System Solutions
- ➔ ... Strong Technical Support
- ➔ ... German Engineering
- ➔ ... Proven Track Record
- ➔ ... Focused on strong Partnerships





**... leading Solution Provider of**



**High Performance Surface Protection Systems**

## VIP - YOUR SOLUTION PROVIDER

### DESIGN & SPECIFICATION



### PROJECT ADVICE

VIP works directly with you and your consulting team to analyse your problem and design and specify a fully integrated solution.

### APPLICATION



### SOLUTION IMPLEMENTATION

The best products in the world can only perform to their best if they are applied correctly. VIP train and support a network of „VIP Approved Applicators“ to ensure that our system solutions are applied correctly and provide you with the best possible results.

### QUALITY CONTROL & INSPECTION



### TECHNICAL SERVICES

All VIP Approved Applicators complete extensive daily Q/A documentation to ensure that VIP's application protocols are adhered to. In addition VIP can provide on-site technical, supervisory and Q/A services.



## VIP Coating Systems

### High Build Linings

Aromatic systems  
Aliphatic systems  
Hot & Cold Spray application  
UV-stable but not colour stable  
Thickness  $\geq 1\text{mm}$

**H<sub>2</sub>O proofing**

### Thin Film Coatings

Polyaspartic systems  
Manual & Airless application  
100% UV & colour stable  
Thickness  $\geq 0,2\text{mm}$

**Industrial Coatings**

**Flooring**



## Polyurea Technology

- There is no such „product“ as Polyurea. Polyurea is a definition of a chemical technology.
- There are unlimited versions of products that are based on „Polyurea technology“
- Like „Epoxies“ and „Polyurethanes“ – there are low quality cheap products and high quality more expensive products.
- Good formulators take the “Polyurea technology” and design a “product” for specific applications.
  - Abrasion, potable water, salt water, chemical environments, waste water, impact etc.



### Features of spray applied elastomeric coatings

- Spray Applied as a seamless membrane – no joins or welds.
- Can be built to any thickness in one application
- Instant curing, rapid return to use. – saves customer money.
- Very high impact resistance.
- Excellent abrasion and chemical resistance.
- Remains flexible over a very wide range of temperatures.
- Excellent cracking bridging properties. (-20C = 6.4mm @ 23 C = 15.5mm)
- High elongation (up to 650%) – will flex and move with substrate.
- Excellent adhesion to suitably prepared concrete – both old and new.
- More flexible, more abrasion resistant and more impact resistant than GRP and epoxies.
- Solvent free and VOC free (Volatile Organic Compounds)





# Flooring Technology



### Features of our spray or roll applied flooring systems

- Excellent color and gloss retention
- Cures to a very clear finish
- Excellent abrasive resistance
- Excellent adhesion to concrete substrates, even without using a primer
- Excellent chemical resistance compared to standard solvent driven epoxies and urethanes.
- Fast reactivity and cure times.
- Rapid return to service.
- Seamless, flexible flooring system.
- Resistant to most chemicals, solvents, acids and caustics.
- Good outdoor weathering
- Shows no sensitivity to humidity during application.
- Stable under a wide temperature range.
- Custom colours, quartz and chip floors available upon request.





### CHALLENGES OF ASSET PROTECTION IN TODAY'S ENVIRONMENT

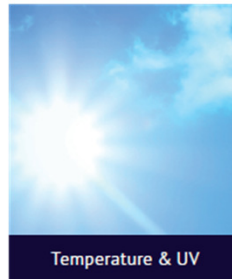
Businesses need solutions today for the problems they will face tomorrow. Asset rehabilitation and long term asset protection is an investment that if chosen correctly will pay for itself many times over in the future. VIP's technically advanced surface protection solutions not only offer faster turnaround times in almost any climatic condition but also longer life expectancy than most traditional systems. With a VIP solution you can have the best of both worlds = extreme physical protection and super fast turnaround times. Save money up front and save money over the long term. That is a VIP surface protection solution!



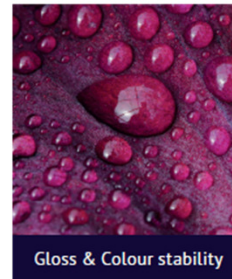
Cost / Down time



Humidity



Temperature & UV



Gloss & Colour stability



Impact



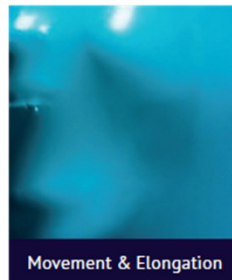
Abrasion



Corrosion



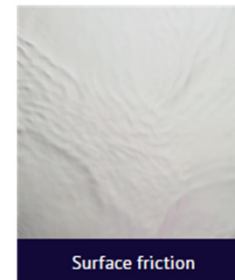
Chemicals



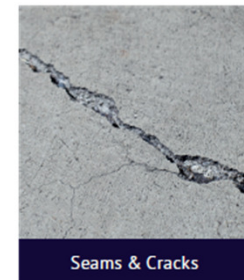
Movement & Elongation



Environmental friendly



Surface friction



Seams & Cracks

INDUSTRIAL	<b>QUICKSPRAY®</b> Hi Performance Elastomeric Lining systems. Superior Impact Abrasion and containment solutions. High pressure applications.	<b>QUICKCOAT®</b> Ultrafast Coating System with Superior Color & Gloss retention. Anticorrosive and weatherproof surface protection solutions. Airless applications.
FLOORING	<b>QUICKFLOOR® DECO</b> Superior Flooring Solutions – overnight. Quartz, Anti-Skid and paint chip options. Roll Down and squeegee applications.	<b>QUICKFLOOR® INDUSTRIAL</b> Heavy duty flooring – overnight. Single colour options. High Pressure & Airless applications.
WATERPROOFING	<b>QUICKSEAL®</b> New Technology Waterproofing. Strong, seamless & flexible – instant setting. High Pressure, Low Pressure and Cartridge System applications.	<b>QUICKSEAL® 1K</b> Water based - moisture cure. Elastomeric liquid applied seamless waterproofing membrane. Roll-Down applications.
PRIME & REPAIR	<b>QUICKPRIME®</b> Primer Systems. Solvent Driven & Solvent Free. Polyurethane and Epoxy, 1 Part & 2 Part.	<b>QUICKREPAIR®</b> Joint Sealants and Concrete Repair Materials.
EQUIPMENT	<b>LOW PRESSURE</b> Low pressure proportioners, cartridge systems and airless spray units.	<b>HIGH PRESSURE</b> High pressure plural component spray units.

## VIP FEATURES AND BENEFITS



**LEADING R&D TEAMS - COMMITTED TO INNOVATION**



**TRAINING & WORKSHOPS - TECHNICAL EXCELLENCE**



**INTERNATIONAL APPROVALS, SPECIFICATIONS AND 3<sup>RD</sup> PARTY LAB TESTING**



**ISO CERTIFIED QUALITY CONTROL AND MANAGEMENT SYSTEMS**



**GLOBAL TRACK RECORD**



**GLOBAL PRESENCE - LOCAL AVAILABILITY**



**COMPLETE SYSTEM SOLUTION PROVIDER**

HOCHSCHULE  
WEIHENSTEPHAN-TRIESCH  
UNIVERSITY OF APPLIED SCIENCES



**Kiwa Polymer Institut G**  
Quellenstraße 3  
65439 Flörsheim-Wicker  
Tel. +49 (0)61 45 - 5 97 10  
Fax +49 (0)61 45 - 5 97 19  
www.kiwa.de



### Prüfbericht P 7703

Prüfbericht  
Bestimmung des Widerstands gegen  
Durchwurzelungen gemäß CEN/TS 14

Produktname  
**Quick Spray Industrial**

Auftraggeber  
**Voelkel Industrie Produkte GmbH  
Lohenstr. 11  
D-82166 Gräfelfing**

Datum: 18.04.2011  
Der Bericht umfasst 6 Seiten.

Prüfauftrag:

Bestimmung der rutschhemmenden Eigenschaften,  
des Verdrängungsraums und des  
Gleitreibungskoeffizienten gemäß DIN 51130 und  
DIN 51131 an den Beschichtungen:

- QuickSpray Supreme LSE
- QuickSpray Industrial LSE
- QuickSpray Eco-, Industrial-, Supreme-Line +  
Overspray
- QuickSpray Eco-, Industrial-, Supreme-Line +  
QuickPlus 3K – A20
- QuickSpray Eco-, Industrial-, Supreme-Line +  
QuickPlus 3K – A50

Auftraggeber:

**Voelkel Industrie Produkte GmbH  
Lohenstr. 11  
82166 Gräfelfing**

Bearbeiter:

**J. Magner  
T. Seitz**

Datum des Prüfberichts:

**14.05.2012**

Dieser Prüfbericht umfasst:

**7 Seiten**

Die Prüfergebnisse beziehen sich ausschließlich auf die Prüfgüterprobe.  
Die mögliche Verfestigung des Prüfsubstrats und Hinweise auf Prüfungen in Vorbereichen bedürfen in jedem Einzelfall unserer  
schriftlichen Einwilligung.



Our Ref: HLM1003069

4th March 2011

Voelkel Industrie Produkte GmbH,  
Lohenstrasse 11,  
82166 Gräfelfing,  
Munich,  
Germany

Dear Sir



**WATER REGULATIONS ADVISORY SCHEME**  
"ITEMS WHICH HAVE PASSED FULL TESTS OF EFFECT ON WATER QUALITY - BS 6920"

We refer to your application for the material(s) described below to be approved arising from the results of the tests of effect on water quality that have been carried out on the product(s) so described. It has been decided that there is no objection to its/their use provided the source, nature and manufacturing processes of the ingredients and products are not changed. (See notes overleaf).

**COATINGS, PAINTS & LININGS – FACTORY APPLIED – MULTI PURPOSE 5036**

Quick Spray Industrial W two-part Coating (bright blue coloured) to be used in conjunction with Quick Prime epoxy primer. Mix and apply as per manufacturer's instructions. Cure for 3-5 minutes at 25°C. For use with water up to 23°C.

Test Report: MA4085/E

**1009542**

**VOELKEL INDUSTRIE PRODUKTE GMBH.**

An entry, as above, will accordingly be included in the Water Fittings Directory on-line, Part Two, under the section headed, "Materials which have passed full tests of effect on water quality".

Your attention is drawn to the statement overleaf. Manufacturers or applicants may only quote in their sales literature terms which are used in this letter, namely that the product as listed, having passed the tests of effect on water quality, is suitable for use in contact with potable water and that a reference to the product will be included in the Materials section, Part Two, of the Water Fittings Directory on-line; this may be abbreviated to "Water Regulations Advisory Scheme - Approved Material" or "WRAS - Approved Material". **Approval of this product does not signify the approval of its mechanical or physical properties for any use.**

The Technical Committee of the Scheme reserves the right to review approval. This approval is valid between September 2010 & September 2015.

Yours faithfully

*H.L. Lewis*

Hannah Lewis  
WRAS Approvals Administrator  
Water Regulations Advisory Scheme

Water Regulations Advisory Scheme Ltd.  
20 Fern Close, Penny-Fan Industrial Estate,  
Guisborough, YO26 3PT, U.K.  
Tel: 01405 248454. Fax: 01405 236209.  
E-mail: info@wras.co.uk. Web site: www.wras.co.uk

The Water Regulations Advisory Scheme (WRAS) is a not-for-profit organisation registered in England (No. 2648087) and limited by guarantee (No. 2648087).

## HYDROELECTRIC POWER PLANT **SANTA TERESA CUSCO / PERU**

<b>Construction</b>	-
<b>Contractor</b>	GyM
<b>Consultant</b>	Luz del Sur / PDMxperts S.A.C.
<b>Coating Contractor</b>	KAAT S.A.C.
<b>Project</b>	Lining of conduction tunnel
<b>Area</b>	2,600 sqm
<b>Construction Time</b>	February 2015
<b>VIP System</b>	QuickBlock Li Moisture QuickPrime Epoxy SF QuickSpray Industrial Standard





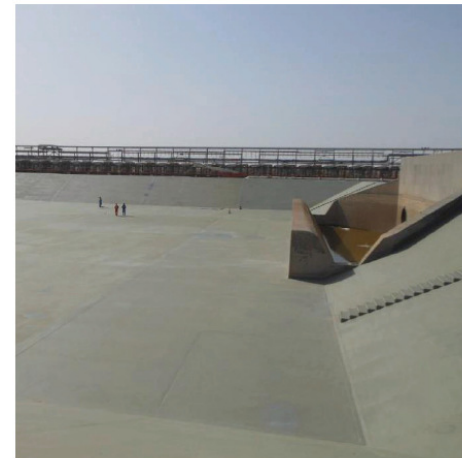
## WASTE WATER TUNNEL TEHERAN / IRAN

<b>Construction</b>	Zharf Kar
<b>Contractor</b>	Zharf Kar
<b>Consultant</b>	Mahab Ghodss
<b>Coating Contractor</b>	Anticor Limited, Dubai
<b>Project</b>	Waste Water Tunnel
<b>Area</b>	Lining of 90,000 sqm concrete tunnels and pipes
<b>Construction Time</b>	April - September 2010
<b>VIP System</b>	Quick Block, moisture barrier Quick Prime + Quick Fill, 2K Epoxy Primers Quick Spray Industrial



## SEA WATER DISCHARGE CULVERT ABU DHABI / UAE

<b>Client</b>	Borouge Abu Dhabi
<b>Contractor</b>	Gogas / Granite Construction Co.
<b>Consultant</b>	Tebodin Middle East Ltd.
<b>Coating Contractor</b>	Petro Projects Group Est / Abu Dhabi, UAE
<b>Project</b>	Protection and sealing of concrete in Sea water discharge culvert
<b>Area</b>	11,000 sqm
<b>Construction Time</b>	February 2013
<b>VIP System</b>	QuickFill and QuickFill Express concrete crack repair systems QuickPrime 2K Epoxy SF21 QuickSpray Industrial

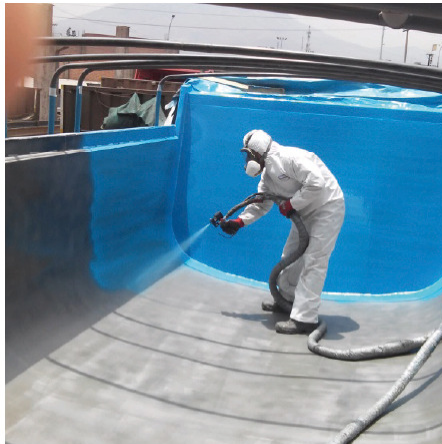


## BUNDED AREAS UNDER TANKS PORVOO / FINLAND

<b>Client</b>	Ashland Chemicals, Porvoo
<b>Contractor</b>	-
<b>Consultant</b>	-
<b>Coating Contractor</b>	TEKE OY, Valkeala
<b>Project</b>	Secondary Containment Areas under Chemical Tanks
<b>Area</b>	400 sqm
<b>Construction Time</b>	October 2011
<b>VIP System</b>	QuickFill crack and joint filling systems QuickPrime 2K Epoxy SF 21 QuickSpray Industrial



## TIPPER BODIES AREQUIPA / PERU



<b>Client</b>	PDMxperts S.A.C
<b>Contractor</b>	-
<b>Consultant</b>	-
<b>Coating Contractor</b>	-
<b>Project</b>	Abrasion resistance and noise reduction in tipper bodies
<b>Area</b>	Multiple fleet vehicles
<b>Construction Time</b>	2015
<b>VIP System</b>	Quick Prime 1K PU Universal. Quick Spray Industrial

## RAW MATERIAL FEED HOPPER GERMANY



<b>Client</b>	Feldhaus Klinker, Bad Laer
<b>Contractor</b>	-
<b>Consultant</b>	-
<b>Coating Contractor</b>	Rüdiger Schmidt, Vermsold
<b>Project</b>	Non stick abrasion and corrosion resistant hopper lining
<b>Area</b>	20 sqm per container
<b>Construction Time</b>	December 2011
<b>VIP System</b>	QuickPrime 1K PU QuickSpray Industrial LSE (Low surface energy lining)



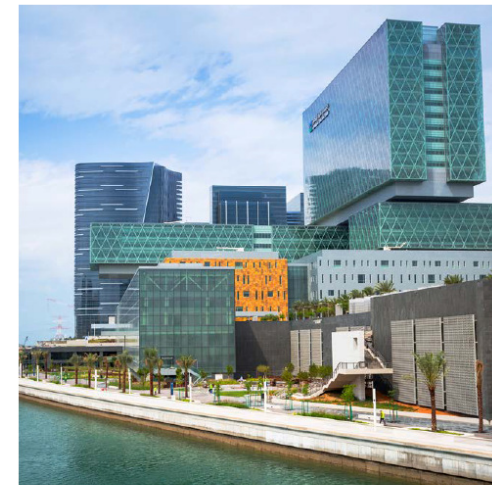
## THE DEAL STORE DUBAI / UAE

<b>Client</b>	Chaloub Group
<b>Contractor</b>	Dicotech Dubai
<b>Consultant</b>	-
<b>Coating Contractor</b>	Anticor LLC, Dubai
<b>Project</b>	Floor coating with high abrasion resistance & glossy nish
<b>Area</b>	800 sqm
<b>Construction Time</b>	2015
<b>VIP System</b>	QuickFloor 100 QuickFloor 500



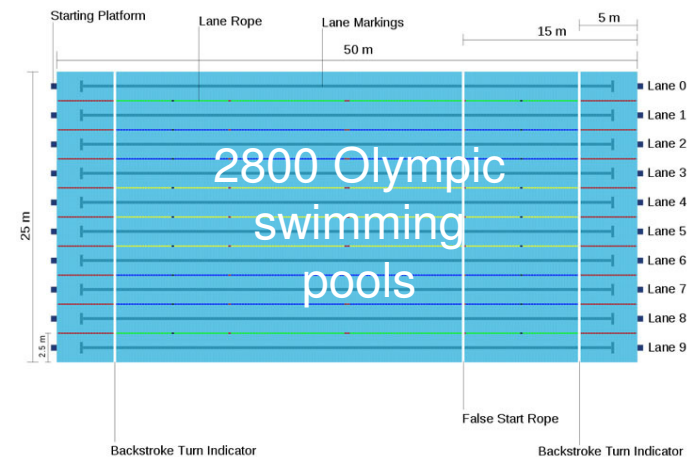
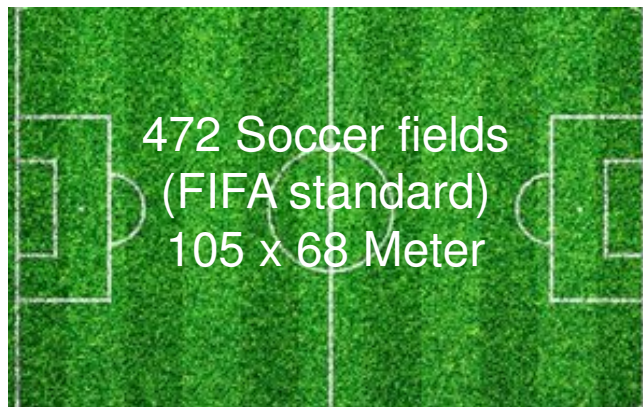
## CLEVELAND CLINIC DUBAI / UAE

<b>Client</b>	Cleveland Clinic
<b>Contractor</b>	SG Middle East
<b>Consultant</b>	-
<b>Coating Contractor</b>	Anticor LLC, Dubai
<b>Project</b>	Protective coating for various service rooms
<b>Area</b>	130 sqm
<b>Construction Time</b>	2015
<b>VIP System</b>	QuickFloor 500



### ....facts and figures which speak for themselves

Since the launch of VIP Coatings systems VIP has supplied materials for more than 3,5 billion sqm - equivalent to the size of:



## VIP'S FAST TRACK COATING SOLUTIONS: TOUGH, SUSTAINABLE & COST EFFECTIVE.

