



GLOBAL MARKET

CORROSION

The cost of corrosion (public + private) is USD 2.5 trillion/year = 3.5% of the global GDP, and if this amount had been invested in appropriate management models, the savings would be USD 875 billion (ROI OF 35%).

PAINTS

The Worldwide Protective Coating Market is estimated to be worth USD 20B/year (2023). Source: RY Associates.

SERVICES

Spending on Anticorrosive Painting services amounts to USD 36.24B/YEAR (2024). Source: Corrosionpedia.



CHALLENGES

PGPI®

**YOUR ALLY
AGAINST
CORROSION!**



Entrepreneurs, shareholders, managers and engineers involved in the maintenance of industrial plants have spent a lot of time and money attempting to solve problems caused by corrosion.



- ✓ COSTS OUTSIDE OF THE BUSINESS.
- ✓ UNSCHEDULED OUTAGES.
- ✓ LOST PROFIT FROM CORROSION ACCIDENTS.
- ✓ LACK OF TRACEABILITY.
- ✓ HIGH INSURANCE COST.
- ✓ SERVICE ADMINISTRATION.

PGPI® software for corrosion management and industrial painting services – A pioneering tool created to efficiently reduce your corrosion costs by up to 50%!



PGPI SOLUTION

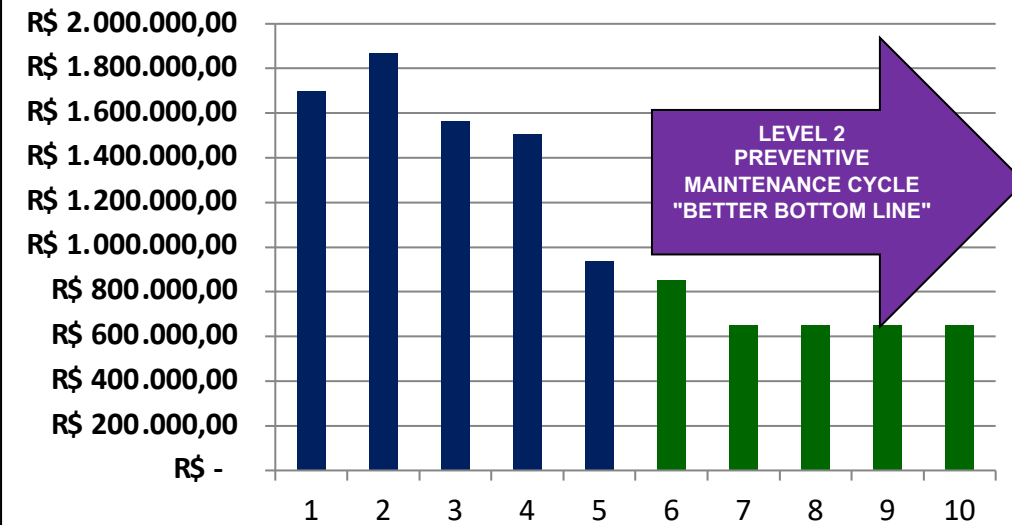
SUSTAINABILITY IN

CORROSION MANAGEMENT



MAINTENANCE COST REDUCTION THROUGH PGPI©

FINANCIAL DISBURSEMENT WITH PGPI©



OUR DIFFERENTIALS

Pioneering spirit

Innovation

Tool

Compliance Web



INPI/ISO 9001 Registration

Client Portfolio



DELIVERIES



SUPPLY SCOPE PGPI®

SaaS - SOFTWARE AS A SERVICE B2B



BENEFITS

WHAT ARE THE BENEFITS AND ADVANTAGES OFFERED BY PGPI©?

& ADVANTAGES



1 PLANT INVENTORY

Get to know all the square footage of the plant, understand corrosion liabilities, find out how to reduce them and project "low-cost" maintenance.

2 PREDICTABILITY

Predictability and cost control: CAPEX/OPEX.

3 COST CONTROL

Total control of costs in the short, medium and long term; and eliminate unscheduled OUTAGES. Elimination of OPEX costs during the life cycle of the asset.

4 COST REDUCTION

DIRECT: Elimination of metal replacement costs due to corrosion and rework of unplanned services.
INDIRECT: Elimination of costs with: Specifications, Scope of Purchases, Management of Paint Inventories, Administration of Works, Insurance Policy Premiums, etc.

5 PAY-BACK/ROI

Estimated cost reduction on the order of 50% after the completion of the GENERAL PAINTING CYCLE, with the application of the RE-PAINTING CYCLE.

6 TECHNOLOGY

PGPI is fully digital. All information is available on the WEB, for online consultation.

7 QUALITY AND SUSTAINABILITY

Continuous improvement of services and corrosion protection.

8 MANAGEMENT/TRACEABILITY

Complete technical and financial control of the services performed. Full traceability of the services rendered by third parties, eliminating the discontinuity of information with turn-over between applicators.

9 SAFETY AND ENVIRONMENT

Improvement of the appearance of the Plant, Safety and Environment.

METHOD OF

HIRING

+ CONSULTING SERVICES
SOFTWARE AS A SERVICE



PGPI®



Manhours

Reimbursement in mapping and loading hours



FIXED

Software License: m2 survey



MONTHLY

SaaS - System Maintenance

WORKS AND QUALITY MANAGEMENT

Quality Inspector
Manhours



IT FOR PGPI®



PGPI® is written
in **C#.NET and ANGULAR**
Open Source Script developed
for web environment.



INPI Patent RS 09466-0.

Integration can be done through
Application Programming Interfaces
(APIs) and can interact with any system:
SAP, Máximo, Meridium, among others.



Database
MARIADB.

PGPI®

PGPI API



**CLOUD
STORAGE**



SAP, MÁXIMO, PRIMAVERA,
MERIDIUM etc.



- **Hosted in the Cloud.**
- **JWT authentication.**
- **REST communication.**
- **Security with SSL Certificates.**
- **High Availability.**
- **Low Latency.**
- **Online Technical Documentation.**



PGPI® AND PARTNERSHIPS PROJECTS/WORKS

PGPI® - INDUSTRIAL PAINTING:

- 01 AKZO NOBEL JUNDIAÍ/SP – EKA CHEMICALS DO BRASIL S/A.
- 02 COLUMBIAN CHEMICALS DO BRASIL – CAMAÇARÍ/BA.
- 03 SUZANO PAPEL E CELULOSE S.A./SP.
- 04 BRASKEM S/A – PP05 PLANT DUQUE DE CAXIAS/RJ (Original Project = 2006).
- 05 BRASKEM S/A – PP05 PLANT DUQUE DE CAXIAS/RJ (Revalidation 2013/2014).
- 06 BRASKEM S/A – PP PLANT CAMAÇARÍ/BA.
- 07 BRASKEM S/A – PE PLANT SANTO ANDRÉ/SP.
- 08 BRASKEM S/A – PP PLANT MAUÁ/SP.
- 09 BRASKEM S/A – PE08 PLANT CUBATÃO/SP (Original project = 2010).
- 10 BRASKEM S/A – PE08 PLANT CUBATÃO/SP (Revalidation = 2013).
- 11 BRASKEM S/A – UNIB PLANT CAMAÇARÍ/BA (PILOT).
- 12 BRASKEM S/A – UNPOL/RS- BULK1 PLANT.
- 13 BRASKEM S/A – UNPOL/RS- BULK2 PLANT.
- 14 BRASKEM S/A – UNPOL/RS- SPHERIPOL PLANT.
- 15 BRASKEM S/A – UNPOL/RS-PILOTOS PLANTS.
- 16 LWART LUBRIFICANTES LTDA. – Lençóis Paulistas/SP.
- 17 LWARCEL CELULOSE LTDA. – Lençóis Paulistas/SP
- 18 ARCELOR MITTAL - TUBARÃO/ES (Pilot TC AF#01).

PGPI® - THERMAL INSULATION:

- 19 BRASKEM S/A – PE08 PLANT CUBATÃO/SP.

PGPI® – ADMINISTRATION AND QUALITY MANAGEMENT:

- 20 BRASKEM S/A – PE08 PLANT CUBATÃO/SP.
- 21 LWART LUBRIFICANTES LTDA. – Lençóis Paulistas/SP.

PGPI® – WORKS WITH QUALITY MANAGEMENT:

- 22 BRASKEM S/A – PP05 PLANT DUQUE DE CAXIAS/RJ: 2006 to 2010.





www.pgpitech.com

