

**JUAN JOSE MONROY AMADO**  
**MECHANICAL ENGINEER (CMRP)**  
**PgDip. Safety, Risk and Reliability Engineer**

Id: 75084024 - Age: 35 – Married.

A: Cra 23 # 56 - 45 Flat 304 Manizales (Colombia)

T: +57 (6) 8811151/ 3206984876; E: monroy\_juanjo@hotmail.com



## **SUMMARY**

---

---

I am highly motivated on the generation and implementation of optimization and improvement strategies during Asset Life Cycle. I hold a PGdip. in Safety, Risk and Reliability Engineering, Edinburgh, PGDip. Engineering Management from LSBU, UK; I am a member of ASME, IMechE & ACIEM. I am a trained RCM facilitator. I participated in the implementation of the LRCM process, FMECA Equipment hierarchy and criticality analysis in Prodeco Colombia (Glencore Group). As a Reliability and Maintenance Engineer, SIF-Maintenance Routines in Smurfit Kappa Group Colombia (Carton de Colombia) we accomplish many goals, SAP R3. I coordinated and participated in projects such as reliability process structuring and Pipeline Integrity for TERPEL, Colombia. Implementation of CBM, FMECA, SMS (Safety Management systems) Techniques for an Agricultural Project fleet at Valorem, Colombia.

To Start in Jan 2013: "Vibration Analysis in Rotating Machinery & Predictive Maintenance" ASME Course.

### **Specialties**

PAS55 ISO5500x Asset Management, LCC & Budget Analysis, SAP R3 y BO1, RCM, SMS (HSG65, BS8800, OHSAS18000, ISO14000), work in team ability.

### **Skills & Expertise**

Oil & Gas, Mining, Forestry Equipment, Projects and Engineering Management.

## **EDUCATION**

---

---

- MSc. Risk, Safety and Reliability Engineering, Heriot Watt University, Edinburgh, Scotland, 2013.
- Lead Automation, Short course. UPC, Barcelona, Spain, Jun 2003
- Engineering Management. Course LSBU, London, UK, 2002.
- Mechanical and Manufacturing Engineering, Universidad Autonoma de Manizales. Colombia, 1998.

## **WORK EXPERIENCE**

---

---

- Asset Senior Engineer, VALOREM HOLDING, Reliability & Maintenance Engineer, LCC and Budget Analysis, Biggest soy bean project in Colombia, (US\$21 MM) 30.000 ha, Successfully Implementation of PM standards and procedures, Operations leadership, Implementing of CBM, PMO, FMECA and Risk Analysis on Operations of Agriculture, Road and River Ships Equipment, Track dozers, Moto graders, Backhoe Loaders, Implementing of PAS55, Budget and LCC platform for Financial Department. SMS, HSE advisor. (30 people team), SAP BO1.
- Senior Engineer, Engineering Services LATAM SA, Asset Management Implementation, government and private contractor of large fleets, PMO, HSE, Risk & LCC in a 60 new machines Project, (US\$ 4 MM project) Improvement of KPI's MTBF, MTTR, ROA, OEE; Consulting in a Mining and Pipeline Projects, US\$20 MM; application of PAS55; ASME and API Standards. Colombia. (150 people team)
- As a Senior Engineer in Engineering Services I was a Quality Consulter Maintenance in Tanks and Pipeline Integrity, ASME B31.8/API 11xx, US\$ 150.000 project of Pipeline Integrity. Terpel.
- Senior Maintenance Engineer, Coal Open Pit Mine, 18 MM Ton/y; Analysis up to US\$ 7 MM Maintenance Budget, Implementation of procedures, Analysis of KPI, and LRCM of the fleet, FMECA, Analysis program leader, Shovels (O&K RH200), Trucks (777, 785, 793), Track tractor (D9T, D11T), Pumps and crushers (MWM); Reports; Analysis of LCC, Planning, Schedule and auditing of PC5500 Overhaul. Improve of MTBF & MTTR, Direction 100% in English; PRODECO/GLENCORE. CDJ, CMU, CALENTURITAS Projects. Colombia, 2007.
- Reliability & Maintenance Engineer, Leader of Maintenance team and coordinator of Implementation of RCM and CBM on the forestry Equipment Fleet, continuous improvement techniques; Bell loaders, Moto graders, Track dozers, Trucks, Excavators; Developer of SAP R3. Reengineering of parts and elements

in order to improve Quality, MTTR and MTBF. LCC & Budget Analysis; (85 machines) SMURFIT KAPPA CARTON DE COLOMBIA, Cali, Colombia, 2006.

- Development and research Engineer. Machine design and continuous improvement leader and implementation of this techniques in maintenance and production lines. INDUMA, Manizales, Colombia, 2004.
- Service Engineer, Touch Screen, client support and service on site of the products, London area, Sussex area, Oxford area, Midlands, West Midlands, etc. Product developer. BLEEP UK, London, UK, 2002.
- Barman, Chelsea Village, London, England, 2000.
- Automation Engineer, Instrumentation and automation, Implementation of a expert and dedicated system to control variables of water treatment plant. Water treatment plant of Manizales, Colombia 1999

## DESIGNS AND PUBLICATIONS

---

---

- Winch design equipment for Wood extraction, Reengineering in forestry machinery and equipment.
- ERP Managing Software, SAP R3 & BO1 and continuous improvement TPM techniques.
- Research, Infrastructure in Colombia, Roads to development and How to avoid disasters!
- Article, Mine Magazine, Risk in Operations, Maintenance, Environmental Care.

## LANGUAGES

---

---

- Spanish (Native).
- English: Fluid.

## SHORT COURSES

---

---

- Doing: ASME Course: *Vibration Analysis in Rotating Machinery & Predictive Maintenance LEVEL I*.
- Course de Product Management, ASME Short Course, 2007.
- Fireman Industrial department, short course, SKCC 2003, NFPA 1081.
- Courses Continuous Improvement, TPM, 5s+1, Smurfit, Carvajal, Cali. 2004 – 2006

## REFERENCES

---

---

<b>Fabio Leal.</b>	Agriculture Manager, Sugranel, Santodomingo Group. T: 57 310 220 13 29, E: flg@sugranel.com
<b>Joseph Shamir.</b>	Maintenance and Logistics Manager, Mali gold mine; Mali Africa. E: Shamir.joseph@gmail.com
<b>Alfonso Lopez.</b>	Mine Planner Engineer, Glencore AG, Prodeco Colombia. T: 57 3103774233, E: alfonso.lopez@prodeco.com.co

I declare that all the information is true.



**JUAN JOSE MONROY AMADO**

**ID 75.084.024**