



Rodolfo Peña E.

Creativity, Innovation and Transformation

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Nancy, France

About me

Professional coach and industrial engineer certified Lean by Toyota Japan with more than 10 years of experience in leading multiple initiatives in the service sector (operational excellence, digital transformation, continuous improvement, cultural change, among others)

My contribution vision, strategy, methodology, research, prototyping, creativity, innovation and coaching

Professional Experience

Progress Engineer (Assembling)

MICHELIN (manufacturing)

Feb 2023 (1 month), France

In training for the position of methods and progress engineer in the manufacturing engineering team at headquarters (Voluntary resignation due to expatriation incompatibility)

Regional Operational Excellence Manager

SAAM (airport logistics)

From Feb 2021 to Aug 2021 (6 months), Santiago

Development of the operational excellence area (strategy definition, portfolio management, project management, ...)

Head of Strategy and Continuous Improvement

DRS (construction management)

From October 2012 to February 2021 (+ 8 years), Santiago

Direct work with the CEO and board of directors to deploy a portfolio of initiatives with special emphasis on growth, differentiation and productivity strategies.

Consulting Experience

Independent Consultant

GLG and others (minning, telecommunications, pharmaceutical, and others)

From March 2017 to November 2019 (+ 2 years), Santiago

Design and implementation of several projects (strategic planning, operational excellence, project management, professional coaching, specific trainings ...)

Academic experience

Adjunct Professor

University of Santiago

From March 2014 to October 2019 (5 years), Santiago

5 years of teaching courses like "Lean Management" and "People coaching" to postgraduate and undergraduate students in Industrial Engineering

Researcher

Research Center for Automatic Control

From Feb 2011 to Feb 2012 (1 year), France

Research in the field of intelligent manufacturing systems IMS and wireless sensor networks WSN with some presentations of scientific articles in international conferences

Education

Master degree in Complex Systems Engineering

University of Lorraine - February 2012, France

Professional degree in Industrial Engineering

University of Santiago - December 2010, Chile

Certifications

Scrum Master

Scrum Alliance - December 2022, USA

Ontological Coach

Newfield Network - August 2016, Chile

TPS (Toyota Production System)

Toyota Engineering Corporation Japan - February 2015, Japan

TQM (Total Quality Management)

HIDA Japan - September 2013, Japan

Fullstack Developer (Web development)

Desafío Latam - December 2018, Chile

Data Science (Machine Learning and Big Data)

Desafío Latam - December 2019, Chile

Languages

Spanish

Native

French

C1 Advanced

English

B2 Upper intermediate

Other skills

TPS

TQM

Hoshin Kanri

5S

Kaizen

DMAIC

Obeya

Python

SQL

Ruby

HTML

CSS

Jupyter Notebook

Flask

Figma

Git

Office

Machine Learning

Data Science

Cloud Computing

Big data

Scrum

Jira

Project Management

Portfolio Management Project

Ontological Coaching

Annexes: Sciences Arts Portfolio

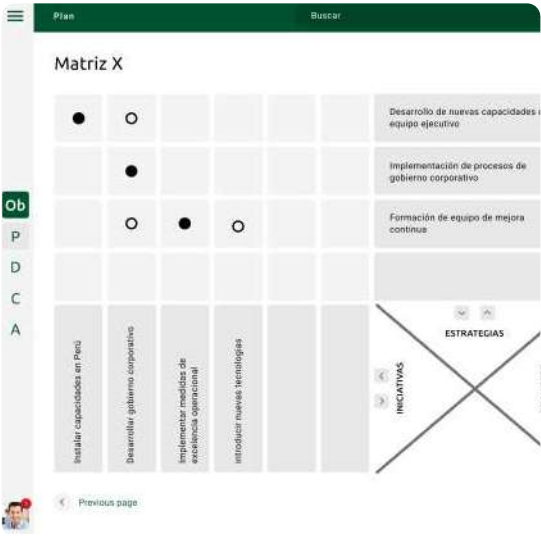
The following page is an annex with some initiatives of my innovation portfolio (see more at www.sciencesarts.com)



Feb'23: Working
Study of the supply flow for a new machine for the assembling process



Jan'22: Painting
Starting with color oil painting (work in progress) at Academia de Arte Metropolitano



Nov'21: Development
Digitalization of the continuous improvement process through digital boards based on Lean



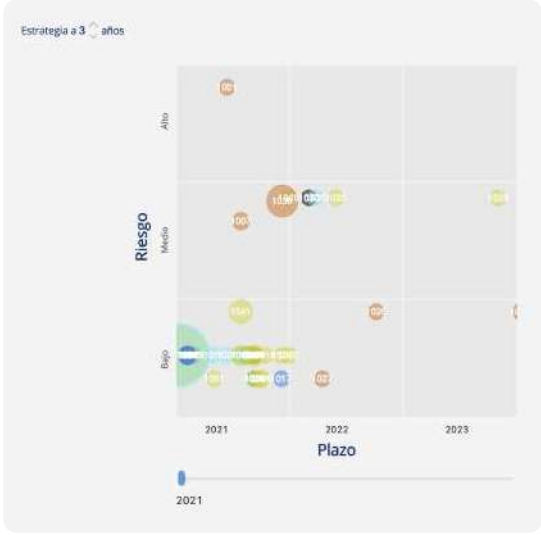
Aug'21: Programming
Digital prototype to control the fulfillment of operational goals through Obeya boards



Jul'21: Coaching
Hyper-standardization of operational briefings based on Lean Obeya



Jul'21: Development
Development of a digital funnel to manage the value captured by a portfolio



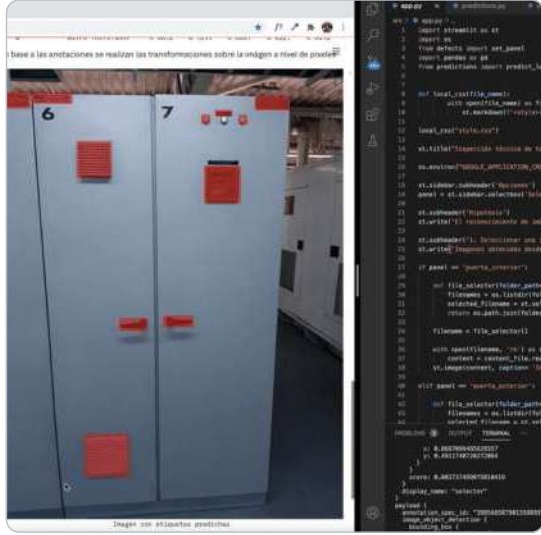
Apr'21: Development
Development of a web application for the control of the innovation portfolio



Mar'21: Juggling
New personal record: 7 balls cascade 45 catches and 6 balls fountain 55 catches



Oct'21: Programming
Prototype to measure the progress in construction sites with drones and big data



Jul'19: Programming
Prototype for the automatic generation of inspection reports via computer vision



Jul'16: Teaching
People coaching course for undergraduate students in industrial engineering



Jul'16: Working
Boards for the management of construction projects



Feb'15: Education
Teaching in Lean Toyota at Toyota Engineering Corporation Japan



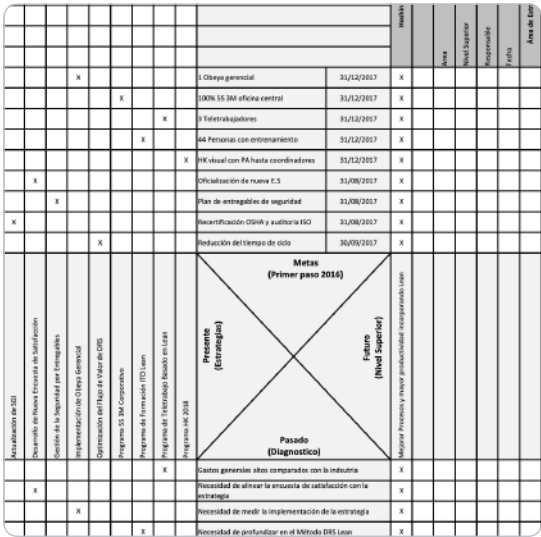
Feb'15: Education
Visits in Japan to companies from different industries (production, construction, ...)



Mar'14: Teaching
Lean management course for master's students in industrial engineering



Jan'14: Consulting
Training in processes for the formation of quality circles based on Lean



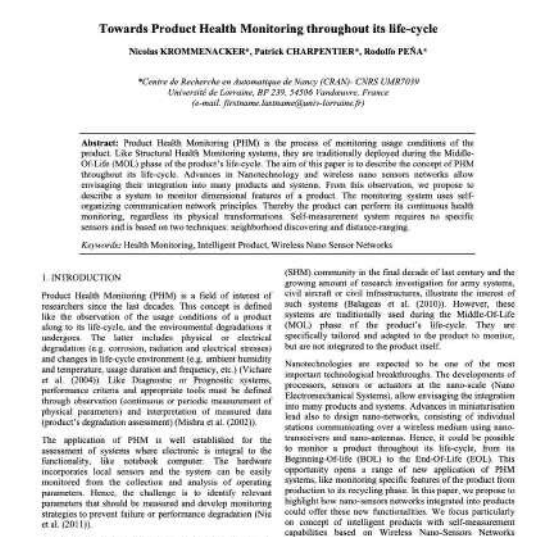
Oct'13: Working
Implementation of Hoshin Kanri as a methodology for strategic planning



Aug'13: Education
TQM (Total Quality Management) certification in Osaka Japan



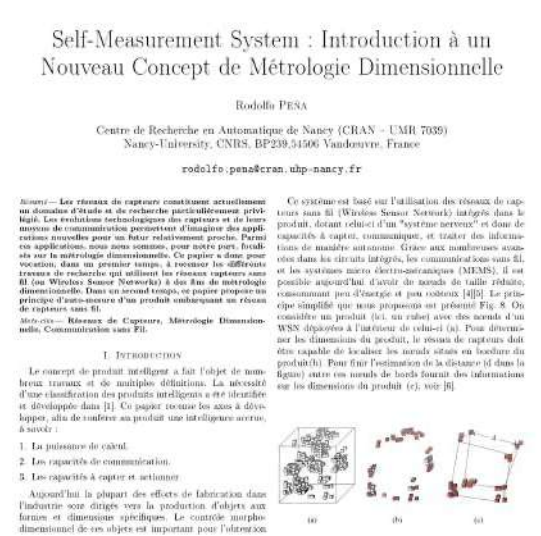
Sep'13: Magic
Sponge balls magic routine in Osaka Japan during a Japanese Party



Apr'13: Research
Scientific publication related to intelligent manufacturing systems in Brazil.



Apr'12: Consulting
Design of optimization algorithm for vehicle routing in underground mining



Oct'11: Research
Publication of scientific article in the CPI conference in Morocco



Sep'11: Research
Presentation of a scientific article in WSN at the IPIN conference in Portugal



Feb'11: Education
Thesis defense to obtain the master's degree in complex systems engineering in France



Jul'11: Research
Publication of scientific article in fleet sizing at the ICPR conference in Germany