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From data to better decisions - Minitab

Digitalisation & Productivity – Minitab Solution Center Workshop



Alberto Arguiñano

You have data. We have solutions. **Imagine the possibilities.**™

Agenda

01	DATA-DRIVEN IMPROVEMENT DIMENSIONS
02	MINITAB SOLUTION CENTER INTRODUCTION
02	MINITAB SOLUTION CENTER WORKSHOP
03	Q&A / DIGITAL ROOM

You have data. We have solutions. **Imagine the possibilities.**™

DATA-DRIVEN IMPROVEMENT DIMENSIONS

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Four dimensions of data-driven improvement

Monitor



Capture quality measurements and machine status.

Prolink · Quality data & SPC

DataXchange · Machine monitoring & OEE

Connect



Bring sources together.
Spend less time preparing.

Analyze



Understand variation.
Choose what to test.

TODAY · Minitab Solution Center

Simulate



Compare flow and capacity.
Assess what if scenarios before investing.

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MINITAB SOLUTION CENTER

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Minitab Solution Center Introduction



Analytics

ANALYZE · IMPROVE

Validate decisions with Minitab Statistical Software on the web.

Hypothesis tests, regression, DoE, SPC, and capability analysis to quantify variation and confirm improvements.

Statistical evidence

Brainstorm

DEFINE · ANALYZE

Structure problems and causes before jumping to analysis & solutions.

Collaborative Ishikawa diagrams, mind maps, and AI support to turn team knowledge into actionable hypotheses.

Sharper focus on root cause

Data Prep

MEASURE · ANALYZE

Reduce waste in data preparation.

Clean, organize, and save workflows to automate repetitive activities before any analysis.

Reliable and repeatable data

Dashboards

CONTROL · SHARE

Turn analysis into executive and operational visibility.

Graphical reports, KPIs, and shared CTQs to align sponsors, teams, and stakeholders with live data.

Aligned Stakeholders

Predictive Analytics

PREDICT · OPTIMIZE

Build accurate predictive models to anticipate outcomes.

Automated machine learning model comparison, and explainable predictions turn data into forward-looking decisions

Confident predictions

Quality Project

GOVERNANCE DMAIC

Manage the improvement project from start to finish.

Workspace on the web for templates, deliverables, collaboration, and risk control throughout DMAIC.

Lower-risk execution

Key Value:

MSC reduces the digital waste: it connects workshops, data, analysis, reporting, and governance to accelerate insights and sustain improvements.

Minitab Solution Center

An efficient approach to data analysis and Continuous Improvement Projects

Time spent moving data

Repeated effort delays decisions

EXTRACT
Database to CSV / Excel

HANDOFF

CLEAN
Manual Excel data cleansing

HANDOFF

COPY + PASTE
Move into Minitab

HANDOFF

ANALYZE
Run the analysis

HANDOFF

REBUILD
Reports

ACT
Operational decisions & changes

Time spent improving processes

Reusable work accelerates action

PREPARE

1

Minitab Data Center
Clean once.
Reuse the steps.

MONITOR

2

Minitab Dashboards
Control charts,
Capability, KPIs

3 INVESTIGATE

BRAINSTORM
Lean approach
Structure problems with Ishikawa diagrams

STATISTICAL SOFTWARE
Six Sigma approach
Deeper analysis and evidence

CHOOSE THE STATISTICAL ANALYSIS ENVIRONMENT

DESKTOP
Network isolated
No bandwidth dependency

WEB
Analytics in Solution Center
Connected web workflow

VERIFY

4

Refresh the data
Confirm decisions with updated data

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Minitab Workspace

Project structure from start-to-finish
DMAIC and CI project templates – Deliverables - Ownership

Time spent improving processes

Reusable work accelerates action

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Minitab Solution Center Workshop

A fictional case about quality, capacity and delivery

MEET THE COMPANY

NoordGrain Foods B.V.

Fictional granola manufacturer



500 g granola bags

Weight variation holds up order release.

OUR ROLE



Production, Quality & CI team

Reduce correction work and giveaway.

Improve flow with the current team.

WHAT CUSTOMERS NEED



Net weight (NetWeight_g)

Target **500 g**

Fictional internal window: 495-505 g



Good packs first time

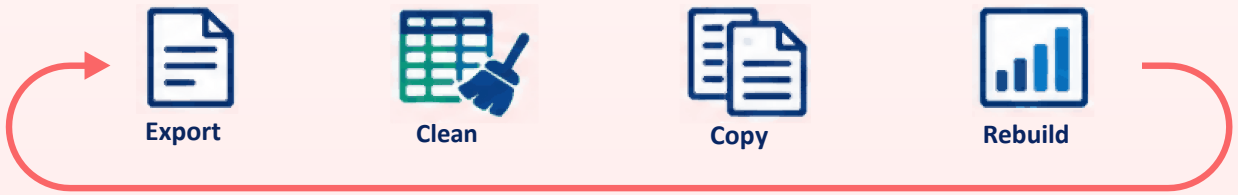
Pass weight checks without correction



On-time dispatch

Protect the Friday shipment

WHAT GETS IN THE WAY



Every refresh repeats the manual work.

Insights arrive late.

Little time to investigate and verify improvements.

THE BUSINESS IMPACT



Higher material cost

Overfill and rework



Lost capacity

Time spent correcting packs



Delivery risk

Friday shipment under pressure

THANK YOU FOR JOINING US!

Your workshop resources, in one place

Minitab - Digital Room

Scan to Open

Let’s stay in touch



Alberto Arguiñano
Solutions Engineer

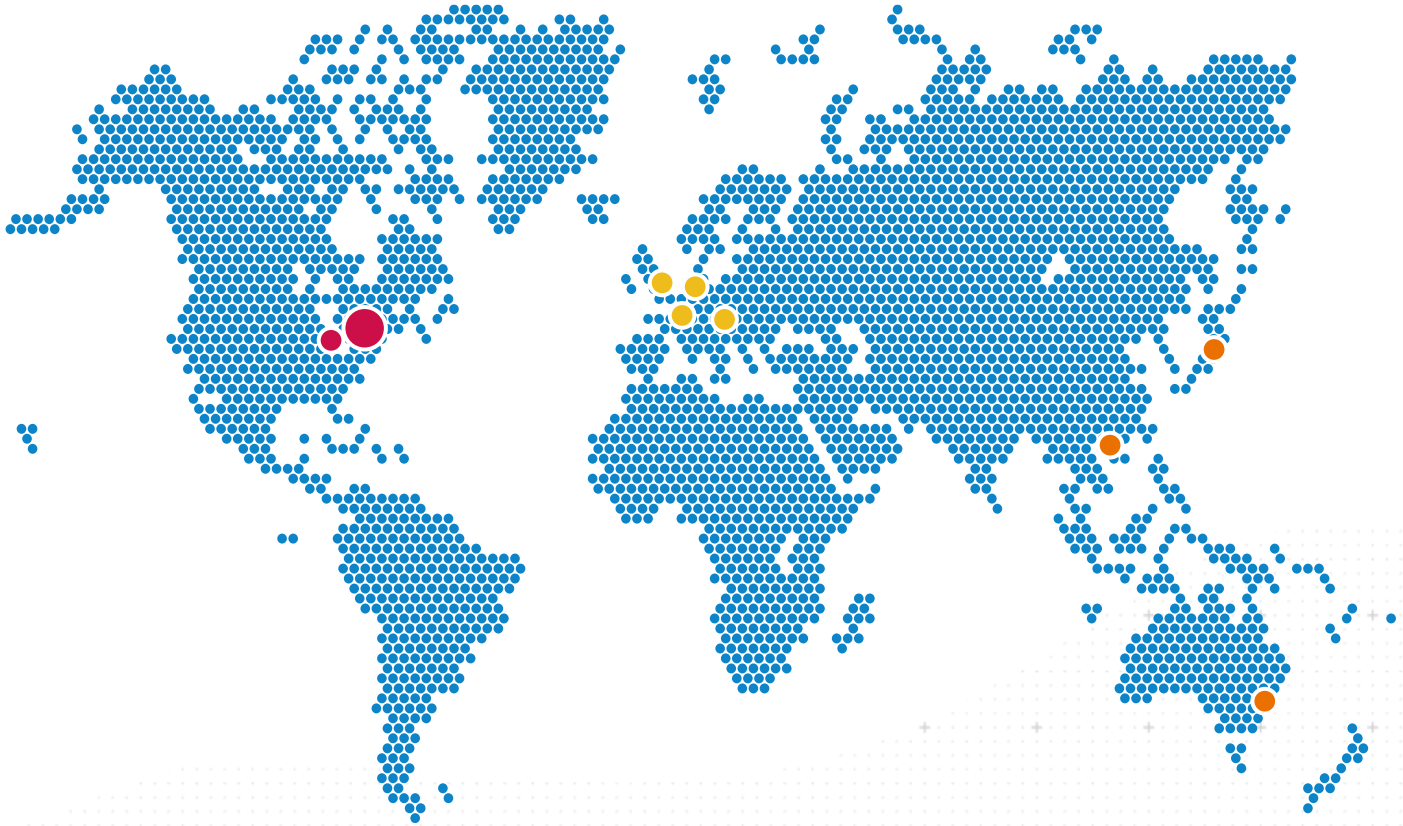
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Minitab®

Minitab helps organizations worldwide harness data analysis to gain insights, improve performance, drive innovation, and enhance customer satisfaction. Their experts and solutions support everything from basic analytics to advanced machine learning and data visualization.

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