P3 Group - Moving your Business to Scale

Introduction to our approach

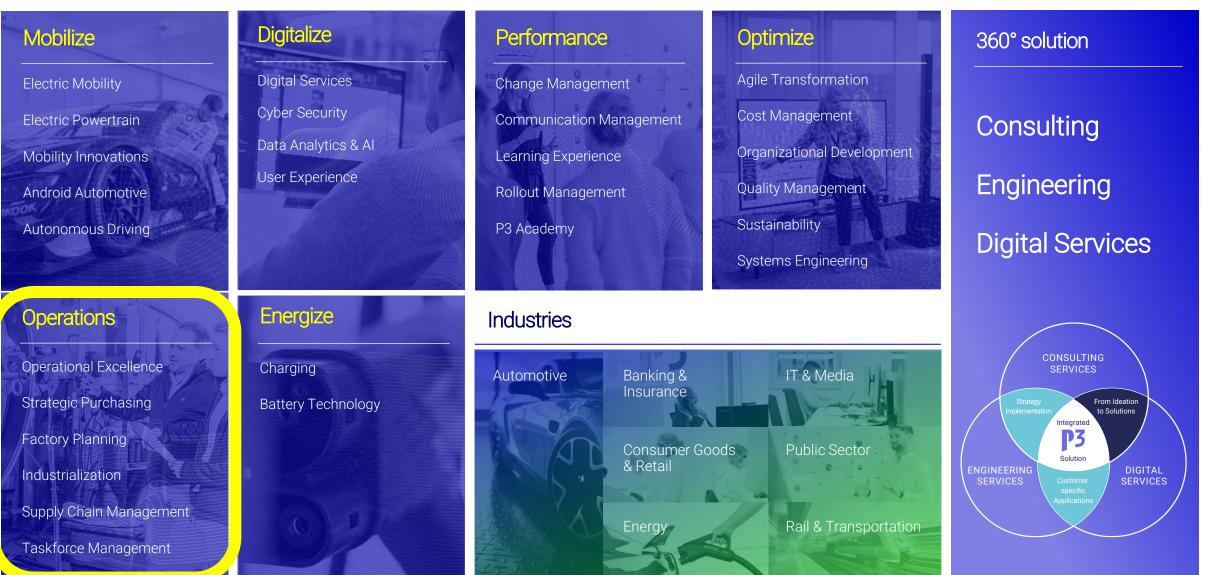
PREPARED FOR NAATBatt - 2025

PREPARED BY **George Miller** – Partner Operations, Supply Chain and Business Development

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Global Expertise

OUR EXPERTS DELIVER INDIVIDUAL, SUSTAINABLE SOLUTIONS.



AT A GLANCE

A Global Network with Local Presence

We are an independent and global operations & management consulting company that was founded in 1996 as a spin-off from Fraunhofer Institute for Production Technology IPT.

P3 Offices around the World

EUROPE

GERMANY	Stuttgart Munich	SERBIA	Belgrad
	Wolfsburg Düsseldorf	ROMANIA	Cluj-Naț
	Hamburg Berlin	GREECE	Athens
FRANCE	Paris	CZECH	Prague
	Toulouse	BULGARIA	Sofia
		DENMARK	Copenh
AMERICA		ASIA	
USA	Greenville Dallas Detroit Charleston	CHINA	Beijing Shangh Shenzhe
MEXICO	Mexico-City Puebla Querétaro San Luis Potosi	THAILAND	Bangko
		KOREA	Seoul

Belgrade
Cluj-Napoca
Athens
Prague
Sofia
Copenhagen

1,850

Employees from 70 nations

30

Locations across 3 continents

Subsidiaries within P3

% up for new challenges

28

Of experience in Europe, America and Asia

% of our employees are Engineers & Developers

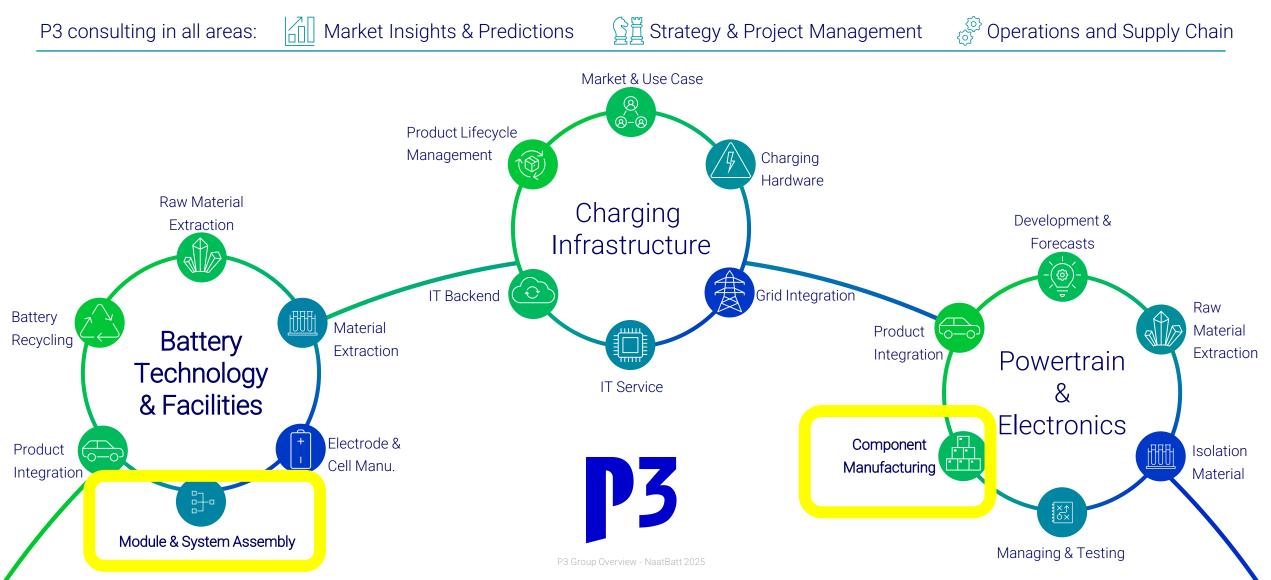
COLOMBIA

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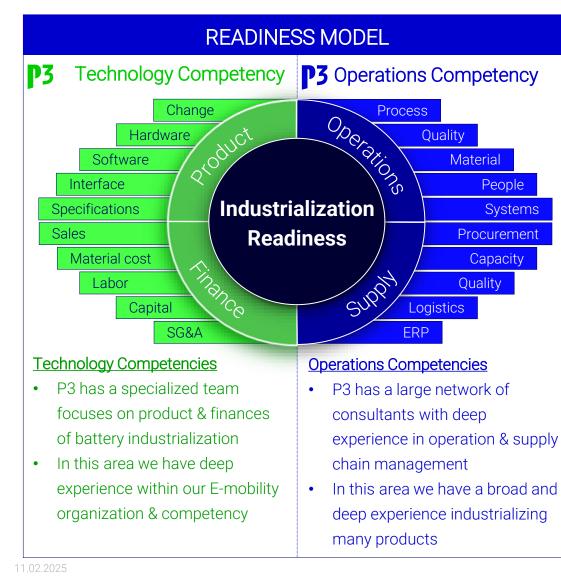
San Luis Polosi

P3 Group Overview - NaatBatt 2025

P3 provides deep understanding of market development, technical , Operations and Supply Chain in E-Mobility



Must consider all aspects of an organization when **moving to scale** with a new process/product



- Operational Readiness
 - **Objective**: Ensuring internal functions have the people, processes, & planning is in place to support production ramp up
 - Focus: Everything that happens within the 4 walls of your industrialized production location
- Supply Readiness
 - **Objective** : Ensuring material suppliers and contractors has the people, processes, & planning to support production ramp up
 - Focus: Everything that happens outs outside of production including customer, supplier network, and associated providers
- Financial Readiness
 - **Objective**: Product costing and capital investments are on track to support the needs of production ramp up with financial improvement road maps
 - Focus: Product costing meets or sets market benchmark

• Product Readiness

- **Objective**: Product is at the maturity required & controlled to meet the desired volume at quality through out production ramp
- Focus: Robust change management system that controls product from raw material through end customer finished good

Industrialization Failure Points: Key areas not considered until late in production ramp-up

PRODUCTION OPERATING SYSTEM

What Goes Wrong: Without a system, production has unpredictable outcomes that often consume more time, resources. and energy to meet volume.

What Is Needed: Conscious definition. development, training, and assessment of a production system fit for the company's product, process, and people.

> What Goes Wrong: Reactive versus proactive production industrialization causing internal/external changes to consistently control success.

What Is Needed: Regular reviews of capacity, supply, sales, & financial actuals vs. forecast leading to clear decisions and risk mitigation.







SUPPLY NETWORK CONTROLLING ₹å

> What Goes Wrong: Lack of supply control creates blinds spots to different units of capacity and lead times which can starve or restrict production.

What Is Needed: Proactive, detailed, and regular evaluation of material capacity, agreements, process maturity, inventory levels, storage concepts, and mode of transport/distribution.

What Goes Wrong: Lack of adherence. review, and optimization of standards causes highly volatile end unit quality and costs to compensate for gaps.

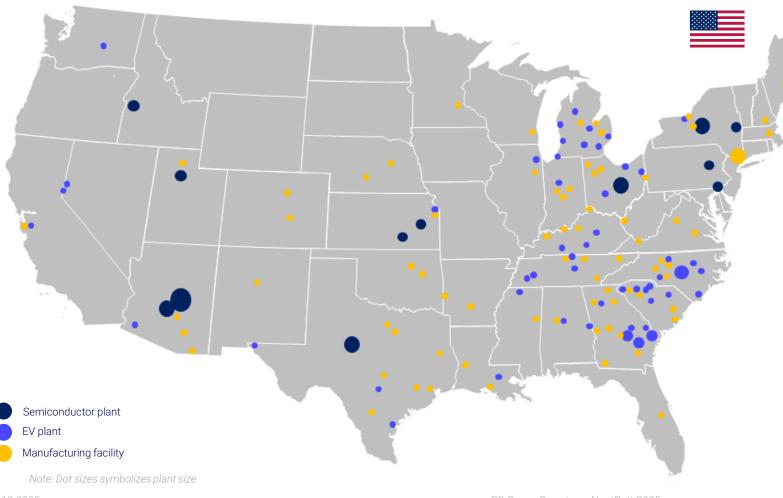
What Is Needed: Methodology, Culture, training, and shop floor leadership that is coached for strict process discipline & always pursuing process improvement.



PROCESS DISCIPLINE & FOCUS

Manufacturing Trends in North America: Investments create increased focus on moving to Scale successfully

Manufacturing constructions since 2021



KEY FINDINGS

- The Government set the goal for 50% of overall vehicle sales to be electric by 2030.
 OEM's change their production program more and more towards EVs.
- Since 2021 more than **20 US Li-Ion battery gigafactories** have been announced in the Southeast.
- Furthermore, investments are taken along the whole supply chain including e.g. manufacturing & recycling facilities.
- New "Battery Belt" in Southeast expected to be a hotspot for EV manufacturing including states such as Georgia, North & South Carolina, Kentucky & Tennessee.
- > \$70 B in investments will be conducted &
 > 55.000 job expected to be created only in the Southeast.
- Increasing need for efficient industrialization enabling production quality, capacity, costs and rapid entry to market.

3 Group Overview - NaatBatt 2025

P3 Industrialization: Core Swim Lanes & Phases Enable Structured Approach



*WP content is simplified & highlight the respective focus.

Moving your business to Scale

Contact person for this presentation

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