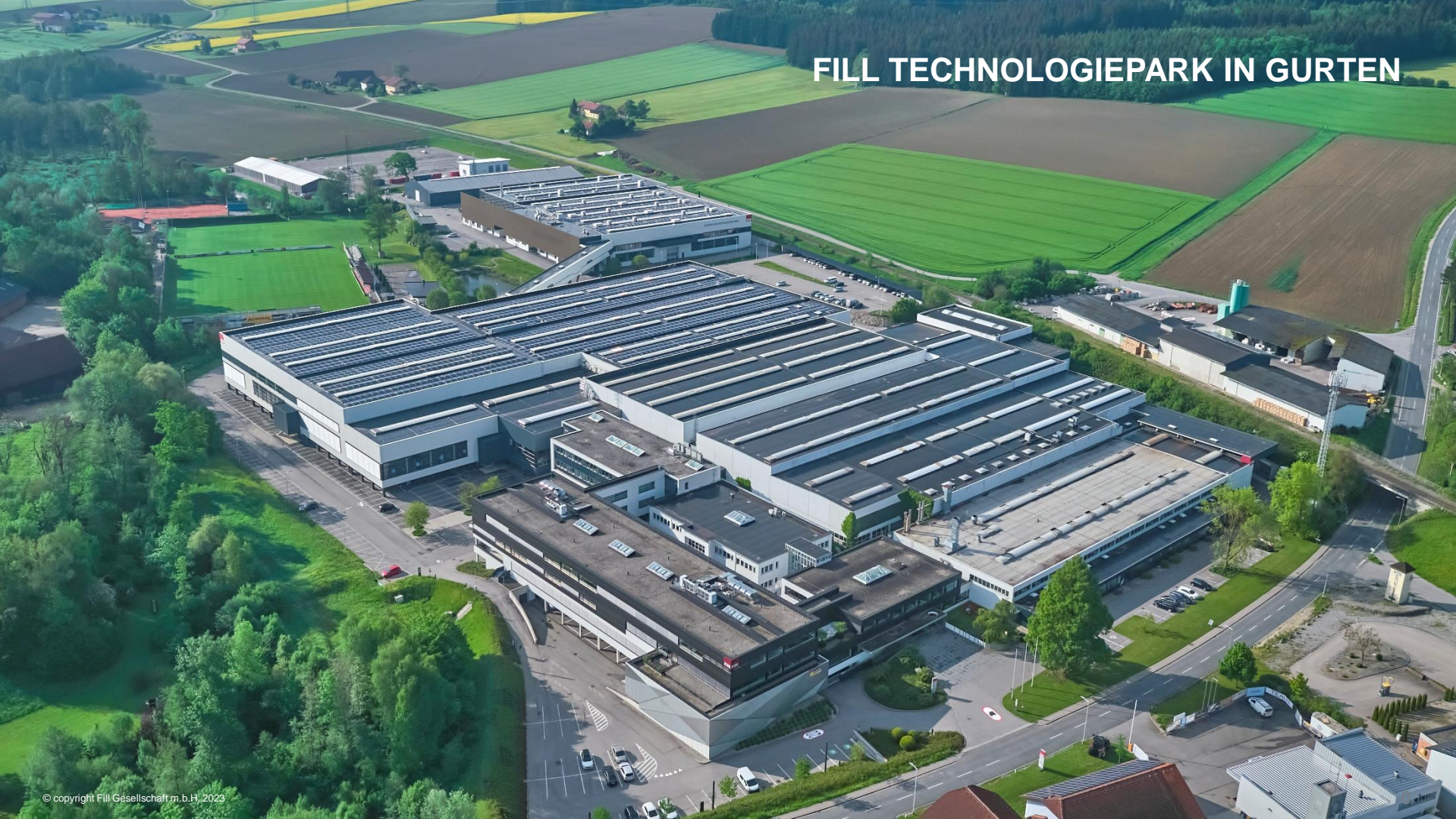
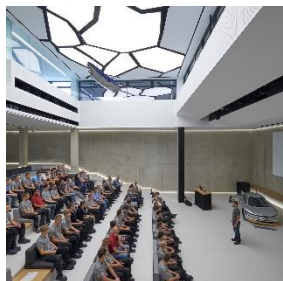
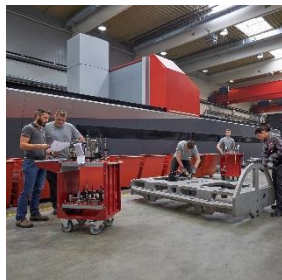


# FILL TECHNOLOGIEPARK IN GURTEN





**1000** MITARBEITER

**89** LEHRLINGE

**31,02** DURSCHNITTSALTER

**15,2** % FRAUENANTEIL

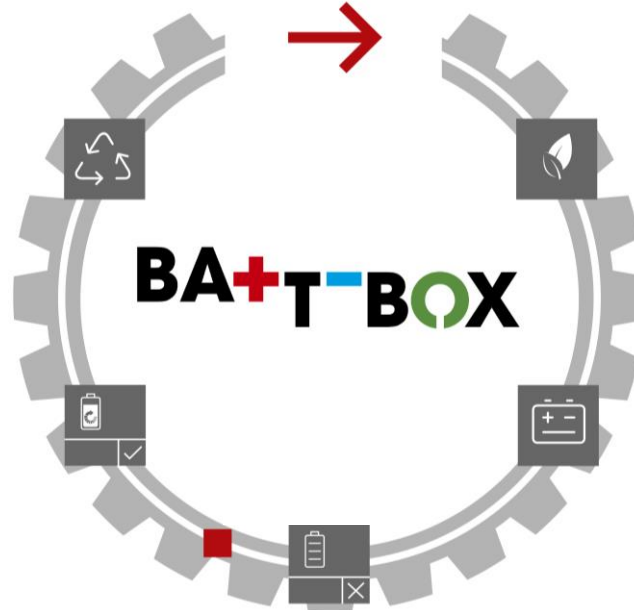
**< 5,5** % FLUKTUATION

**180** MIO EURO UMSATZ

**10** % INVEST IN F&E

Rückführungskonzepte  
Wirtschaftlichkeitsbetrachtungen | CO2 - Bilanzierung

DeManufacturing-Prozesse  
• Zerlegung bis Komponenten



System Engineering  
Design for Circular Ecosystem

Produktionsanlagen  
✓ Batteriewannen  
• Batteriepacks  
• Batteriemodule

Qualitätssicherung  
✓ Scan-Systeme  
• Automatisierte Nacharbeit

Reparaturprozesse  
• Komponententausch  
• Umbau/Neuaufbau

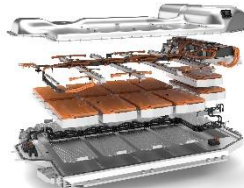
Diagnoseprozesse – Pack | Modul | Zelle

# BATTBOX – BEST OPERATIONS BATTERY SYSTEMS



<https://www.elektroauto-news.net/2021/hohe-reichweite-schnelles-laden-vw-batteriesystem-id-3-id-4-gtx>

**MODEL A**  
Pouch Cell - Design



<https://www.press.bmwgroup.com/global/photo/detail/P90392467/BMW-Gen5-High-Voltage-Battery-for-BMW-iX3>

**MODEL B**  
Prismatic Cell - Design



<https://insideevs.com/news/563013/tesla-structural-battery-pack/>

**MODEL C**  
Cylindrical Cell - Design



Quelle: <https://electrek.co/2022/04/26/nio-is-allowing-customers-enrolled-in-battery-swaps-to-opt-out-and-buy-their-ev-batteries/>

**MODEL D**  
Changeable Pack - Design

**BA+T-BOX** *BATTERY SYSTEMS  
BEST OPERATIONS BY X-PROCESSES FOR  
CIRCULAR BATTERY ECOSYSTEM*

Repair | Refurbish

ReUse | ReManufacture

ReCycle | ReComponent

**ReTHINK: BATTERY ECOSYSTEM**

▪ 2023

ANALYSEPHASE

▪ 2024

PROZESSENTWICKLUNG

▪ 2025

FUNKTIONSNACHWEIS



YOUR FUTURE



# BA+T-BOX



**FFG**  
Forschung wirkt.

**BA+T-BOX** *BATTERY SYSTEMS  
BEST OPERATIONS BY X-PROCESSES FOR  
CIRCULAR BATTERY ECOSYSTEM*



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WER DIE BESTE LÖSUNG SUCHT, ENTWICKELT GEMEINSAM MIT FILL SEINE ZUKUNFT.  
IF YOU ARE SEEKING THE BEST SOLUTION, SHAPE YOUR FUTURE WITH FILL.