

THE RETURN  
OF COMFORT

SONICALU .COM

# COMPANY PROFILE WHEEL

2024

**sonic**  
ALU

**sonic**  
ALU

By enhancing our R&D and innovation activities, we have sustained our production operations by combining our experience and enthusiasm for collaborative work to create a rich blend.

With our expertise, high-level business planning, production management, and quality control capabilities, that we have maximized the value we can add in aluminum wheel production.

In order to maintain this level, we consistently update our traditional working methods and mindset with the awareness of the impact of today's technological advancements in all fields, using the latest and proven tools.

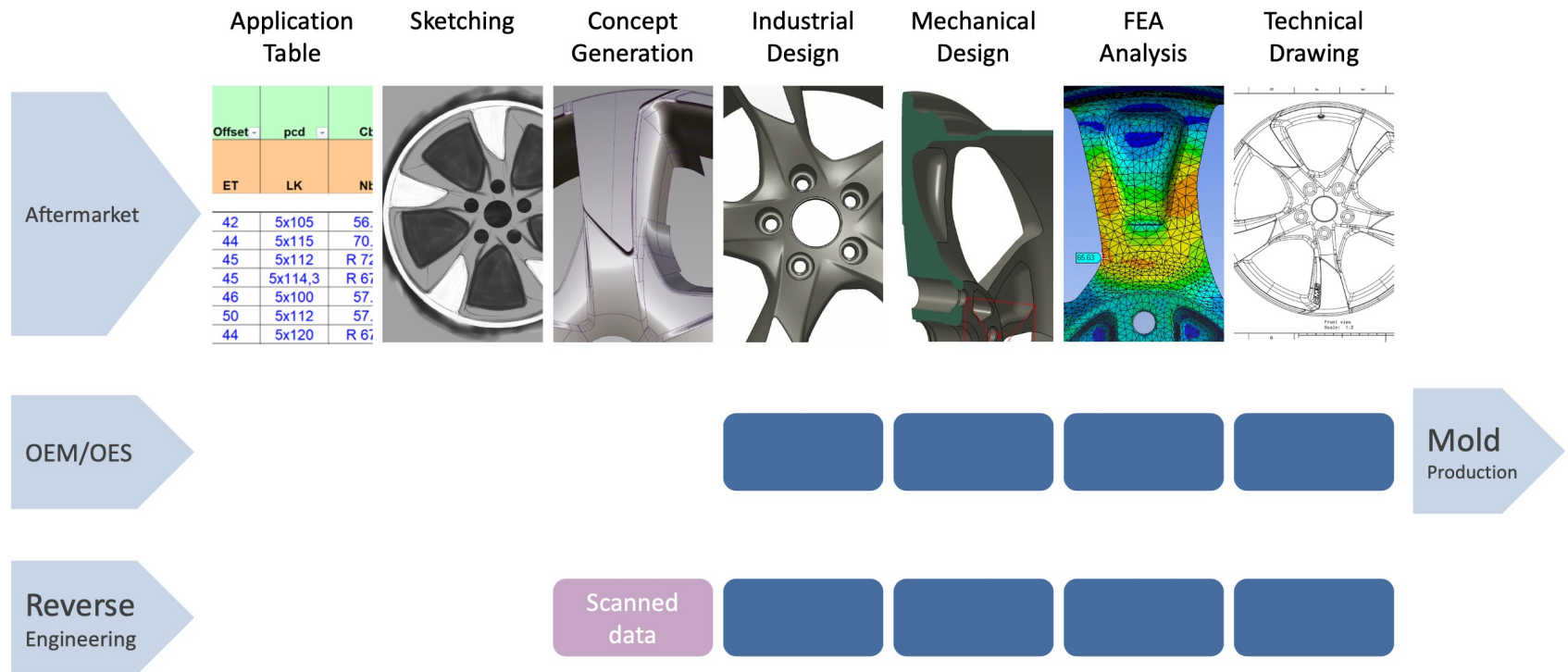


# Our Strengths

- 25 years experience on OEM Wheel Production
- Premium Customers Project management
- Young energetic and agile team
- Advanced Level Casting & Machining & Painting
  - + Forging & Flow forming Experience
- In-house Mould Design & Production Capability
- Design and Engineering with OEM Requirements
- R&D Projects

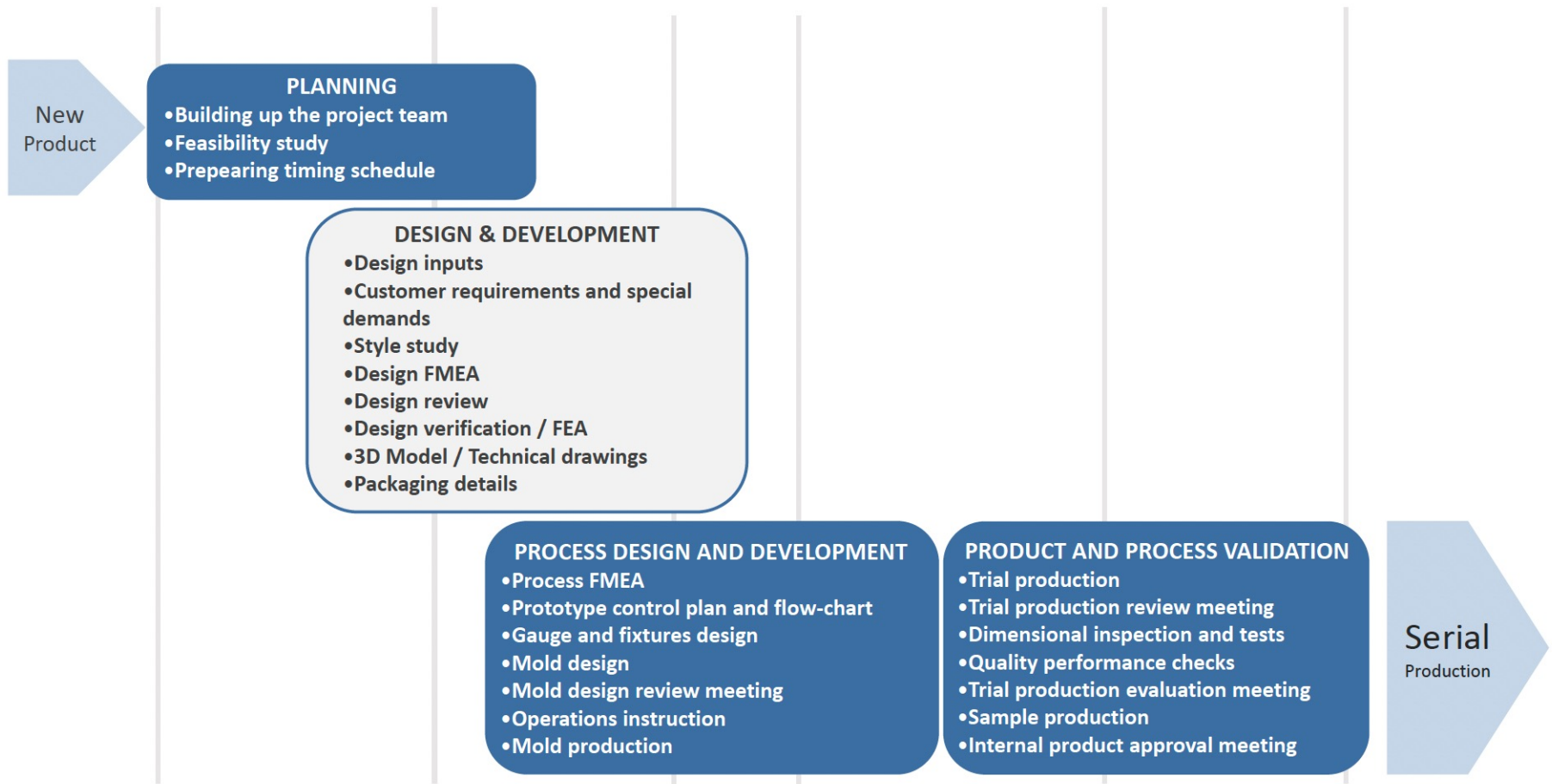
# New Product Development

## Design & Development



# Starting to Production

## Development Process



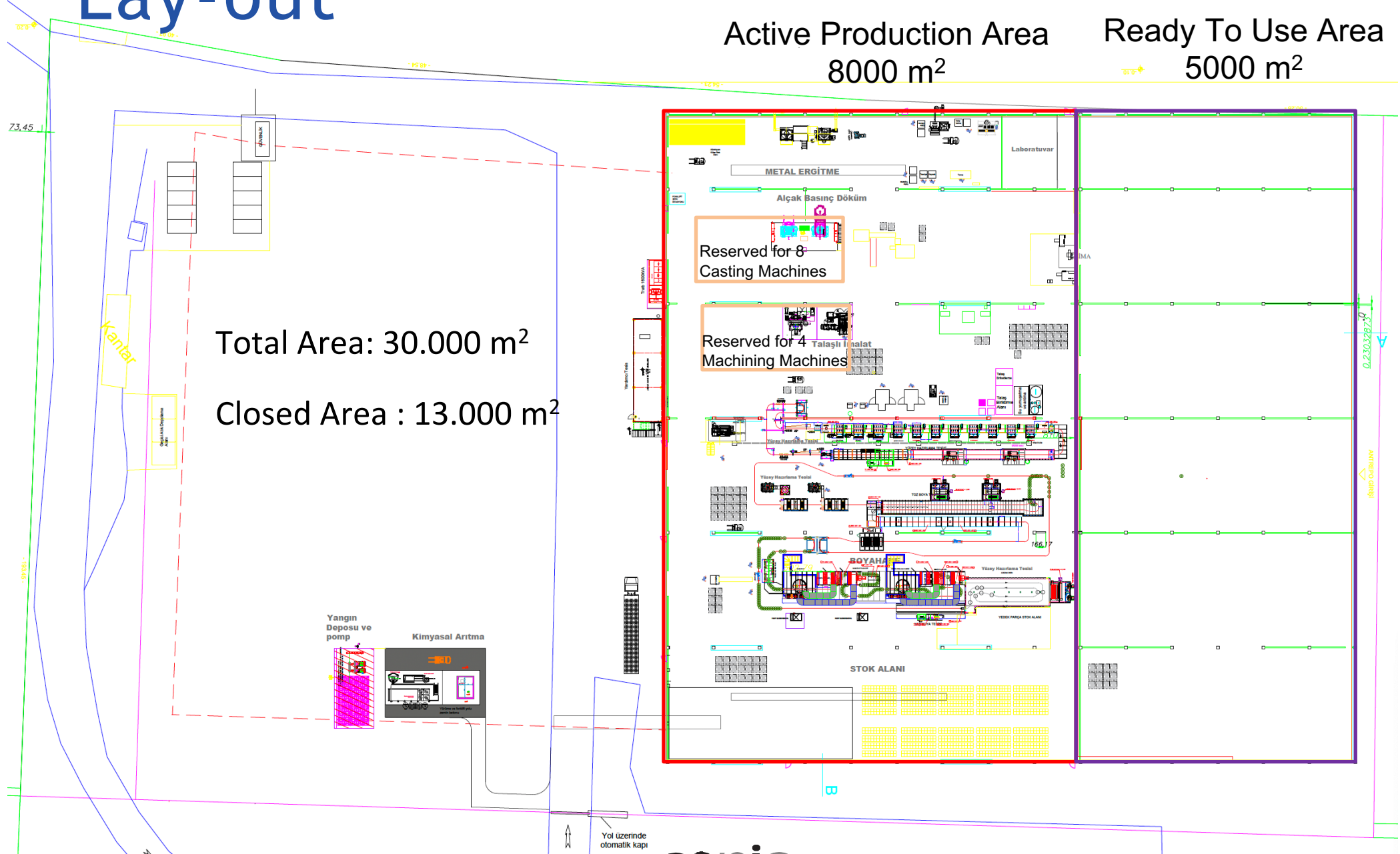
# Lay-out

Active Production Area  
8000 m<sup>2</sup>

Ready To Use Area  
5000 m<sup>2</sup>

Total Area: 30.000 m<sup>2</sup>

Closed Area : 13.000 m<sup>2</sup>



# PRODUCTION

We exclusively manufacture our wheels in-house, utilizing domestic resources and capital. Our state-of-the-art facility enables us to produce wheels ranging from 14" to 22" in size.

MELTING



LOW  
PRESSURE  
CASTING



MACHINING



PAINTING /  
POWDER COATING  
AND WET PAINTING

# MACHINE PARKOUR

Situated in Türkiye Tekirdag, our production facility boasts a total area of 35,000 m<sup>2</sup>, comprising 13,000 m<sup>2</sup> of closed space and 22,000 m<sup>2</sup> of open space. Our unwavering goal is to achieve an annual production of 400,000 high-quality wheels until 2025.

## MACHINES

- Low Pressure Casting Machines
- Xray
- Melting Furnaces
- Cnc Sprue Drilling
- Cnc Vertical Turning Machine
- CNC Drilling Machine 4 Axis
- Diamond Cut Cnc Turning machine
- Painting Line (Surface Treatment + Powder + Wet Coating Lines)

## ADDITIONAL MACHINES

- Universal Turning Machine
- Ladle Heating System
- Degassing
- Measurement Systems
- Chip Briquetting

## TEST MACHINES

- Spectrometer
- Impact Test
- CMM
- Density Measuring
- Balance Control
- Leaking Test
- Corrosion Test
- Hardness Test

## ADDITIONAL PLANT MACHINERY

- Trafo
- Biological and Chemical Purification
- Robotics and Automatization
- Compressor
- Dryer -40
- Dryer +20
- Boiler
- Chiller
- Cooling Tower
- Brushing

## TARGETED INVESTMENTS

- Heat Treatment Plant (2025)
- Flow Form (2026)

# Casting Capabilities & Investment Program

- AlSi7Mg0,3 & AlSi11 Aluminum Alloys
- 13''to 22'' Diameter
- Up to 12'' wide
- Wide surface diamond cut wheels
- % 100 X-Ray Control
- Installed 2 Casting Machines in current stituation and Production started 16 Months Ago
- 2 New Casting Machines are going to be installed in 15th of August 24.
- Layout is planned to install 8 Casting Machines in total .
- New shaft type Industrial Melting Furnace is going to be installed in 15th of October 24.

# Machining Capabilities

- IMT Machine for Turning operations (Double turret , Double pallet)
- 13''to 22'' Diameter
- Up to 12'' wide
- Chiron Drilling Machine 4 Axis
- % 100 Imbalance Control
- %100 Leakage Control
- Brushing Operations

# Painting Capabilities

## **Surface Treatment:**

- Spray System with 11 Baths
- Surface treatment process is applied with Chemetall SAM application .
- 850.000 Wheel / year Hanging capacity

## **Powder Coating**

- Electrostatic Powder Coating
- Painting System is from Wagner
- Base Coat & Clear Coat Cabins
- Recycling Powder Paints
- High Corrosion resistance level

## **Wet Coating**

- Wagner Painting System
- UV Pre-heating System
- Air-Conditioned Base and Clear Coating Rooms
- Double –Triple Color and Colored Clear Coat Applications

# Casting Line



# Machining Line



# Painting Line



# Painting Line



# Painting Line



# Painting Line



# Painting Line



# Painting Line



# Dual Color & Colored Clear coat



# TARGETS

Benefiting from its strategic proximity to Europe, Sonic Wheels operates extensively across Germany, Italy, Spain, the Netherlands, Denmark, and Turkey. As the nearest wheel company to the European market, we ensure efficient and convenient access for our valued customers in these regions.

**2024** Increase Capacity up to  
200.000 Wheels/year

**2025** Heat Treatment Investment  
IATF 16949 Quality System

**2026** Reach Wheel Production  
Capacity 400.000 Wheels/year  
+ Flow Forming Investment



 CURRENT SALES NETWORK

 TARGETED SALES NETWORK



ERGONOMIC

AESTHETIC

QUALITY

Our products undergo a meticulous design and engineering process, placing safety as the top priority, before they are brought to life.

Throughout the product development process, our primary goal is not only to create visually striking and unique wheel designs but also to ensure their implementation with utmost quality and efficiency. As a result, our customers can enjoy the long-term use of our wheels without encountering any technical issues, ensuring their safety and satisfaction for years to come.



Energy density per kilogram of wheel serves as a significant parameter to gauge the efficiency of the homogeneous product. As we strive to achieve our 5-year targets, our aim is to ensure that one out of every five wheels we produce is manufactured using 100% renewable energy.



# The Wheel Company in Closest Proximity to Europe.



# CERTIFICATES

In order to meet the demands and expectations of our company, employees, customers and suppliers, we first established our infrastructure with the ISO 9001 Quality Management System, received our certification, and are ensuring its continuity. With the Production Conformity (CoP) certificate, we have proven our ability to produce products that fully comply with the specification, performance and marking requirements specified in the type approval standard. For Next step in 2024 IATF 16949 Quality management is going to be implemented.



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