

## Key figures to showcase our services

 **11** pieces of laboratory testing equipment

 **7** mastered building codes

 **9** major business jobs

 **6** MeV and **9** MeV of power for the linear accelerator

 **14** radiographic sources

## MANOIR INDUSTRIES

**Future is our raw material.**

Manoir Industries specialises in metal processing, develops alloys and operates processes to **manufacture high-performance metal components**. Our foundry **expertise**, known about and recognized for several decades, is **complemented by forging, boiler-making, welding and assembly, in addition to an ability to deliver finished machined components**. We aim to remain in close proximity to our customers to act seamlessly as true partners all over the world. We support them to reach **innovative solutions**, and are always aware of their game-changing sector.

## MANOIR EXTENDED SERVICES

More than just technologies.



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As Manoir Industries is a leading player in metal processing, we start by listening carefully to your expectations. **This close proximity** stimulates the desire we have to go even further with you in developing new services that are totally in line with our expertise. These include consultant services, training programmes and technical infrastructure to meet your testing requirements. For these and other needs, we wish to provide you with **true added value**.

## SUPPORT & ADVICE IN NUCLEAR SEGMENT

### HOWEVER YOU NEED TO BE TRAINED, WE ARE HERE TO SHARE OUR KNOWLEDGE.

Over time, our experience as a supplier of nuclear-industry components has enabled us to obtain an unmatched level of experience.

- Today, we have mastered a **comprehensive knowledge of constraints and construction codes** focused on components dedicated to nuclear power plants (Clean Power Plan [CPP] and Concentrated Solar Power [CSP]).
- As specialists in the codes and certifications of ASME III, RCC-M and HAF 604 (for the Chinese nuclear market), we fully understand the constraints related to the **implementation of nuclear pressure equipment (ESPN regulations)**.
- Above all, we allow you to **benefit from our extensive feedback** to optimise each new project. We rely on our solid expertise in this area.

#### What we offer:

- Our experts **intervene on site** via hourly services or for complete projects.
- They assist you in **evaluating and drafting** contractual documents (drawings, processes, specifications, quality processes, regulatory constraints, M140 file, etc.).
- Our specialists provide you with **technical assistance** on targeted issues (management audits, supplier qualifications, etc.).

#### For whom?

**In this high-potential market, many companies wish to join ambitious projects and especially international projects. Our partnership and our expertise constitute a vital entry permit for integration as a player in the nuclear industry, which is a particularly demanding sector. This will help you to become familiar with the codes and specificities inherent to such activities, in order to export your parts and know-how worldwide.**

## TRAINING

### AS WE ARE A RENOWNED EXPERT, BENEFIT FROM OUR TEACHING.

The complexity of our businesses gives us an ability to transmit our know-how along with the **invaluable on-site feedback** we offer through **training modules**.

- **As part of the training credit, eligible modules** are provided with an educational booklet and appropriate media.
- These are mainly theoretical, but are **perfectly operational** and in line with business realities. This is performed on site and dedicated to a limited number of participants.

#### What we provide:

- **Standard or customised training** on the materials, metallurgy, foundry or welding topics.
- **Training is bespoke and applied** to the issues you face, including items relevant to the specific application (for example, the metallurgy of heat-resistant steels applied to petrochemicals).

#### For whom?

**For companies that wish to train their employees (engineers, sales representatives, buyers, project managers, etc.) and introduce them to a world within which they are often required to cope without being familiar with business realities. It is also for schools and institutes looking for concrete, practice-oriented teaching.**

## LABORATORIES AND TESTING

### IF YOU NEED RELIABLE TESTING, OUR EXPERTISE IS A TRUE SOLUTION.

**Our 100-year experience** in the metallurgy sector, led by a highly qualified team, is complemented by a highly exhaustive infrastructure. We have a **laboratory and non-destructive testing (NDT)** techniques that meet stringent verifications (chemical and mechanical analysis) and the most demanding controls.

Today, we provide our customers with the following:

- **Our well-known experience in standards and building codes** (ASME, ISO, ASTM, AD, RCCM, Norsok, etc.).
- **Our knowledge of many metal-processing practices** (casting, forging, boiler-making, welding, hot extrusion, etc.).

#### What we bring:

- **Key control equipment** (the largest private radiographic centre in France, linear accelerator, cobalt and iridium sources and X-rays).
- **Various laboratory services** (spectrometry, carbon and sulphur dosage, microscopy and portable positive material Identification [PMI] devices).
- A wide range of cold and hot **mechanical tests** (creep, bending, traction, resilience, hardness, etc.).
- Our metallurgical **expertise** and failure analyses.

#### For whom?

**For companies that need rigorous testing with recognized metallurgical expertise. It is also for plants in our vicinity that want reliable controls and short-term results, with a close and responsive registered laboratory, using a circular economic approach. Our services deliver documentation (minutes, reports, etc.) with one quotation per operation or included in a complete study.**