

RESOURCES FOR C&I AND C&D WASTE COMMERCIAL AND INDUSTRIAL WASTE & CONSTRUCTION AND DEMOLITION WASTE



Ar-Val is extending its skills and expertise beyond its main activity in assembly and integration to C&I (Commercial and Industrial) and C&D (Construction and Demolition) waste sorting. **Ar-Val is the partner that you need.**

Industrial and construction waste contains a high proportion of **potentially recoverable materials**: wood, paper, plastic film, rubber, rubble... This varied material requires an appropriate sorting system, which Ar-Val is able to supply.

Ar-Val can offer a full range of equipment to sort and pack each of these types of waste efficiently, whilst taking into account their specificities: **rotating screens** designed and produced by Ar-Val and **fully-sealed conveyors** of our own design. Certain pieces of equipment benefit from our extensive experience in assembly and integration.

RELIABILITY
FLEXIBILITY
PERFORMANCE
TRACEABILITY
PRODUCTIVITY
AUTOMATION
MANAGEMENT
MAINTENANCE
ERGONOMICS

A high level of quality is guaranteed: primary and refining shredders, granulators, screens, optical sorters, windshifters, sorting robots.

For an optimal recovery process, each automatically-sorted fraction of waste can be purified with further manual sorting in a sorting cabin.

RESOURCES FOR COMMITMENT :
AR-VAL IS A MEMBER OF FEDEREC



FEDEREC is the French Professional Federation for Recyclign Companies. It is a major player, placing us at the heart of the circular economy.



SIMPLE SOLUTIONS FOR COMPLEX SORTING

■ **Resources for recovery:** Ar-Val can offer high-performance sorting plants, which are specifically adapted to your needs and to the requirements of a constantly changing sector. Whether we're dealing with industrial or construction waste, we put our skills and experience at your service.

Our equipment will guarantee a high-performing sorting and packing process for all types of waste: C&I, construction and demolition, bulky household waste, used furniture waste.

■ **Resources for performance:** Ar-Val is a designer, manufacturer, assembler and integrator. This means that we can extend our range in order to produce high-performance sorting plants which are designed to meet your exact requirements.

Sorting is an exacting process which must take into account the specificities of each type of material. We must also consider your specificities.

Our equipment is robust and designed to adapt to all types of waste : heavy, bulky, light, volatile, dusty. The sorting process will be optimized in order to maximize waste recovery.

Ar-Val offers high-performing solutions which you will not find anywhere else on the market. Such as our fully-sealed conveyors which will eliminate all leaks of material and contain dust perfectly, thereby improving the well-being of staff.

■ **Resources for Refuse-derived fuel:** Refuse material from the composting process, from C&I or C&D waste can also be recovered if they are transformed into Refuse-derived fuel (RDF)

Ar-Val can offer solutions for the production of high-calorific value RDF which can be used as an alternative to fossil fuels. You will also significantly reduce the quantity of refuse sent to landfill.



RESOURCES FOR BEHAVIOUR

Recovering waste by sorting it in order to give it a new life is a highly environmentally friendly procedure. The solutions offered by Ar-Val are in alignment with this eco-friendly approach, which takes into account the transition to cleaner energy for ever-more eco-friendly growth.

Our solutions are a means of taking an innovative role in the circular economy, whilst meeting the quality requirements of production.

RESOURCES FOR INNOVATION : ZENROBOTICS

ZenRobotics Recycler is the first robotic sorting system in the world, which extracts selected fractions of solid waste. Designed in order to increase efficiency and to reduce the cost of sorting waste. ZenRobotics Recycler is the latest generation of recycling tools. It is not technology for the future, but technology for today and is currently operational, sorting waste.

As a ZenRobotics specialist, Ar-Val has the benefit of the best experience of this new technology.



RESOURCES FOR STANDARDS

Ar-Val equipment meets all environmental, health and safety standards and legislation. Our sorting cabins meet the French X35-702 standard in order to improve comfort and working conditions for sorting operators.



CONNECTED TOOLS

Ar-Val has developed a full range of software for optimisation of waste sorting processes, and for facilitation of monitoring, management, automation and maintenance.

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