



about us / *tentang kami*

PT. Tirta Abadi Lestari Idexindo is national private-owned company specialized in the chemical service business in the field of Water Treatment Plants & Systems, Water Treatment Chemicals, Activated Carbon and Industrial Process Chemicals under the trade name of IDEX Water.

Established in 2005, we offer a diverse range of customized chemical products and services for applications in industrial and commercial water treatment and industrial process market.

We own production facility located at Tangerang, which is supported by advance formulating/blending facilities enabling us to deliver high quality products to our customers.

PT. Tirta Abadi Lestari Idexindo adalah perusahaan nasional swasta yang memiliki spesialisasi pada bisnis bahan kimia dan layanan di bidang Unit dan Sistem Pengolahan Air, Bahan Kimia Pengolahan Air, Karbon Aktif dan Bahan Kimia Proses Industri dengan merk IDEX Water.

Didirikan pada tahun 2005, kami menawarkan berbagai jenis produk kimia dan layanan yang dibuat secara khusus sesuai kebutuhan untuk kebutuhan pengolahan di industri dan komersial serta pasar proses industri.

Kami memiliki fasilitas produksi yang berlokasi di Tangerang, dimana fasilitas tersebut dilengkapi dengan fasilitas formulasi/pemrosesan yang modern sehingga menghasilkan produk berkualitas tinggi untuk customer kami.



Certificate Number : 234734



Certificate Number : IDN 21160014

CORPORATE PHILOSOPHY / FILOSOFI PERUSAHAAN

Understanding the water properties to create a friendly environment in order to achieve the balance between human and nature

Memahami kondisi air untuk menciptakan lingkungan yang ramah untuk mencapai keseimbangan antara manusia dengan alamnya.

CORPORATE VISION / VISI PERUSAHAAN

To be a leader in essential values in providing solutions on water and environment to contribute in the development of sustainable society

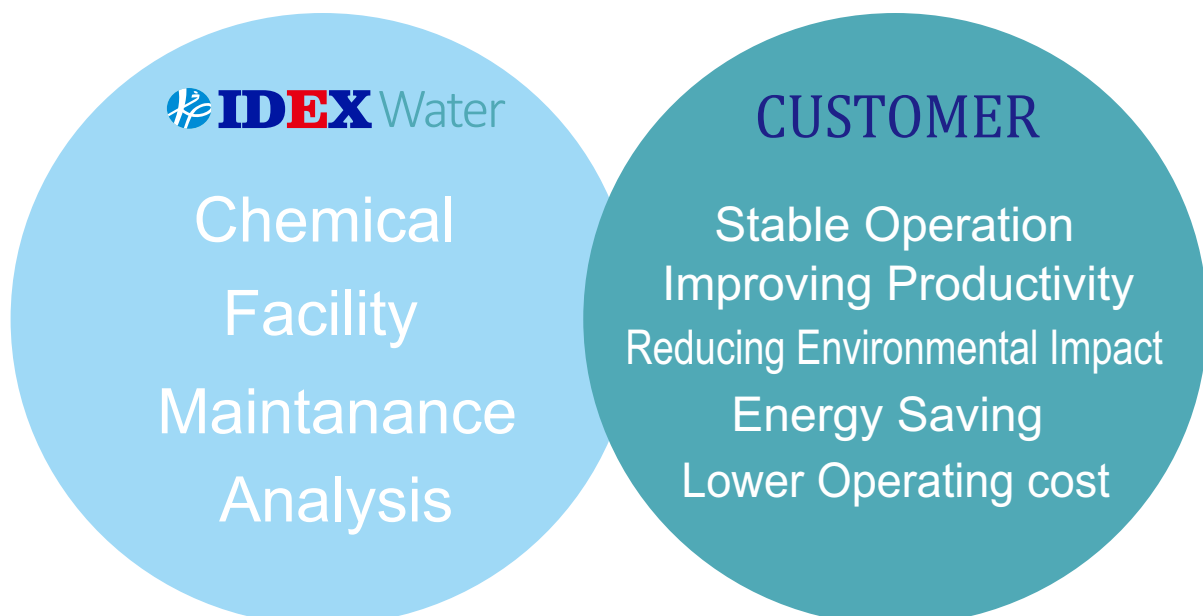
Menjadi yang terdepan dengan nilai-nilai utama dalam menyediakan solusi yang berkaitan dengan air dan lingkungan sehingga dapat berkontribusi pada perkembangan masyarakat yang berkelanjutan.

our offerings / *penawaran kami*

We offer a wide range of high quality systems and plants, chemicals, equipment, and services in water treatment for various industries. We also provide customized water treatment program for your special needs. Supported by skilfull experienced team, modern laboratory and advanced technology, methods and high quality products, we offer you a complete and comprehensive treatment program to ensure that you can improve your efficiency in managing energy of your operation facilities and comply with the enviromental standards.

Kami menawarkan berbagai jenis sistem dan unit, bahan kimia, peralatan dan layanan dalam bidang pengolahan air yang berkualitas tinggi untuk berbagai jenis industri. Kami juga menyediakan program pengolahan air yang bersifat khusus (customized) untuk kebutuhan khusus. Didukung oleh tim yang berpengalaman dan terlatih, laboratorium modern dan produk berkualitas tinggi kami menawarkan program perawatan yang lengkap dan komprehensif untuk memastikan Anda dapat meningkatkan efisiensi dalam pengelolaan energi pada fasilitas operasional Anda dan memenuhi standar lingkungan.

benefits / *keuntungan*





factory & production / *pabrik & produksi*

- ◆ The manufacturer and supplier of a comprehensive range of speciality water treatment chemicals
- ◆ ISO 9001 Accredited Manufacturing Facilities
- ◆ MUI Halal Certification for the products
- ◆ Our commitment to clean and safety excellence





support & services / *dukungan & layanan*

IDEX team are supported by experienced, well trained and profesional engineers who are ready to help you with your water treatment program. We have been solving industrial water-related problems for many years and we are continually striving to provide unique solution to help each of our established customers increase productivity, improve quality, and comply with environmental standards and regulations.

Tim IDEX didukung oleh teknisi profesional, terlatih dan berpengalaman yang siap membantu Anda dengan program pengolahan air. Kami telah memiliki pengalaman selama bertahun-tahun dalam menangani masalah-masalah yang berkaitan dengan air hasil industri dan secara berkesinambungan kami berupaya menyediakan solusi khusus untuk membantu pelanggan kami meningkatkan produktivitas, memperbaiki kualitas, serta memenuhi standar dan peraturan lingkungan.

- ◆ Advisor
- ◆ Field Test
- ◆ Technical Survey
- ◆ Troubleshooting
- ◆ Media Filter Replacement
- ◆ RO Membrane Cleaning Service

laboratory / laboratorium

An analysis will be conducted and reliable and accurate results will be reported to help customers understand their water condition to highlight and mitigate their potential issues

Analisa dilakukan dengan hasil yang terpercaya dan akurat dilaporkan untuk membantu pelanggan memahami kondisi air sehingga dapat digunakan untuk memperhatikan dan mengurangi potensi terjadinya masalah.

LABORATORY TEST CAPABILITIES / KEMAMPUAN PENGUJIAN LABORATORIUM

- ◆ Physical, chemistry & microbial analysis
- ◆ Coagulation & flocculation test
- ◆ Ion exchange resin analysis
- ◆ Activated carbon analysis
- ◆ Corrosion test





projects / proyek

WATER TREATMENT SYSTEM PLANT / INSTALASI SISTEM PENGOLAHAN AIR

DESIGNING & FABRICATION / PERANCANGAN & PEMBUATAN

After analyzing your special needs, we help you with a design for fabrication that is suitable for your need (customized). Once the design agreed, we continue with the fabrication of the equipment needed. We prepare machines or tanks that are customized based on the need.

Setelah melakukan analisa terhadap kebutuhan, kami akan membantu dalam perancangan untuk fabrikasi sesuai dengan yang diperlukan. Setelah rancangan disetujui, kami melanjutkan dengan fabrikasi peralatan yang dibutuhkan. Kami juga menyediakan pembuatan mesin atau tangki khusus yang dibuat sesuai kebutuhan.

BUILDING & INSTALLING / PEMBANGUNAN & INSTALASI

Build the customized facility, completing with the facility, civil works, the instalation of pipes, pumps and other components are done to support the operation of the facility

Membangun fasilitas yang sesuai kebutuhan, lengkap dengan fasilitas, pekerjaan infrastruktur, pemasangan pipa, pompa, dan komponen lain yang mendukung operasional fasilitas tersebut.

MAINTENANCE SERVICE /LAYANAN PERAWATAN

Maintain the high quality of our service, we provide maintenance service to keep the facility and its equipment and other instruments run well to ensure the energy saving, stable operation and water conservation

Menjaga layanan yang berkualitas, kami menyediakan layanan perawatan untuk menjaga fasilitas, peralatan dan instrumen lain agar selalu bekerja dengan baik sehingga dapat menghemat energi, menjaga kestabilan operasional dan juga dapat berkontribusi dalam konservasi air.

MONITORING / PENGAMATAN

We also provide a continous monitor to maintain good quality of the whole water treatment process.

Kami juga menyediakan monitoring yang berkesinambungan untuk menjaga kualitas proses pengolahan air secara keseluruhan.

technology & equipment / *teknologi & peralatan*

WATER TREATMENT PROCESS TECHNOLOGY & EQUIPMENT / *TEKNOLOGI & PERALATAN PROSES PENGOLAHAN AIR*

- ◆ Raw water treatment and clarification
- ◆ Water recycle/reuse
- ◆ Water softening
- ◆ Solid handling/dewatering
- ◆ Reverse osmosis
- ◆ Filtration
- ◆ Ion exchange/demineralization

WASTE WATER TREATMENT PROCESS TECHNOLOGY & EQUIPMENT / *TEKNOLOGI & PERALATAN PROSES PENGOLAHAN AIR LIMBAH*

- | | |
|----------------------------------|--------------------------|
| ◆ Clarification/thickening | ◆ Filtration |
| ◆ Oil/water separator | ◆ Precipitation |
| ◆ Solid handling/dewatering | ◆ Reverse osmosis |
| ◆ Nanofiltration | ◆ Water recovery/recycle |
| ◆ Ion exchange/demineralization | ◆ Flotation |
| ◆ Aerobic biological treatment | ◆ Ultrafiltration |
| ◆ Anaerobic biological treatment | ◆ Microfiltration |





chemicals / *bahan kimia*

BOILER WATER TREATMENT / PERAWATAN AIR BOILER

FOOD GRADE & GENERAL USE

In order to ensure the boiler systems are in good condition and can operate efficiently, it is important to maintain the boiler water conditions well and continuously. Selecting the boiler water treatment chemicals carefully can keep the boiler water in good condition.

Untuk menjamin sistem ketel uap dalam keadaan baik dan dapat beroperasi dengan efisien, sangatlah penting untuk menjaga kondisi air ketel uap dengan baik dan berkesinambungan. Pemilihan produk bahan kimia untuk pengolahan air ketel uap secara cermat dapat menjaga kondisi air ketel uap dalam keadaan baik.

- ◆ Boiler sludge conditioner
- ◆ Oxygen scavengers
- ◆ Scale & corrosion inhibitor
- ◆ Idle boiler
- ◆ Condensate line protection
- ◆ Alkalinity builders
- ◆ Multifunctional chemicals

Maxperse BWT Series	Boiler Compound, Dispersant	Scale Inhibitor Sludge modifier
Corrinh BWT Series	Oxygen Scavengers	Corrosion Inhibitor related to oxygen
Steamtreat BWT Series	Volatile amines	Corrosion Inhibitor in condensate line
Alkatrol BWT Series	Alkalinity agents	Corrosion Inhibitor with pH adjustment

In order to insure that the cooling systems are in good condition and can operate efficiently, it is essential that the cooling water conditions are established and then maintained continuously by using carefully selected cooling water treatment chemicals, such problem can be solved.

Untuk menjamin sistem pendingin berada dalam kondisi baik dan dapat beroperasi dengan efisien, sangatlah penting untuk menjaga kondisi air pendingin dalam keadaan stabil dan kemudian dirawat secara berkesinambungan dengan pemilihan pengolahan air pendingin dengan cermat.

◆ Biocide (oxidizing & non oxidizing)

◆ Corrosion & scale inhibitor

◆ Slime control chemical

◆ Sludge dispersant

◆ Corrosion inhibitor for initial treatment

Cooldex CWT Series	Phosponate, Polymer	Scale & Corrosion Inhibitor
Biodex CWT Series	Oxidizing Biocide Non Oxidizing Biocide	Control Microbiology activity
Alkatrol CWT Series	Alkalinity agents	Corrosion Inhibitor with pH adjustment
Corrinh CWT Series	Blend organic & inorganic material	Corrosion Inhibitor in closed cooling





chemicals / *bahan kimia*

WATER & WASTE WATER TREATMENT / PERAWATAN AIR & AIR LIMBAH

Our product offer superior performance and are ideal for use in a wide range of demanding commercial, industrial and municipal applications involving the treatment of potable water, process water, wastewater and effluent treatment.

Produk kami menawarkan performa yang unggul dan ideal yang diperlukan untuk penggunaan komersial, industri dan perkotaan yang berkaitan dengan pengolahan air minum, air proses, air limbah dan buangan.

COAGULANTS

DEXPAC coagulants offer superior performance characteristics and are ideal for industrial influent and effluent treatment including wastewaters from food, dairy, oil, textiles and chemical industries; the treatment of potable and process waters, sewage effluent, paper processing (as a sizing agent), emulsion cracking, water recycling and more.

DEXPAC koagulan menawarkan karakter kinerja yang unggul dan cocok digunakan untuk pengolahan air awal dan akhir termasuk limbah dari industri makanan, susu, minyak, tekstil dan kimia; pengolahan air minum dan air proses, air buangan, proses kertas (sebagai sizing agent), pemecahan emulsi, daur ulang air dan lain-lain.

Dexpac 200 Series	Liquid PAC 8%, 10%, 12%	Coagulant
Dexpac 500 Series	Powder PAC 28% - 30%	Coagulant
Dexalum-CH Series	Liquid & Powder ACH	Coagulant
Dexpac F Series	Liquid Aluminium Sulphate	Coagulant

POLYMER FLOCCULANTS

DEXFLOC wide range of polymers are developed to suit a wide variety of wastewater treatment and effluent treatment applications and includes structured polymers, co-polymers; and low, medium, high and very high molecular weight cationic and anionic polymers in both liquid/emulsion and dry/powder forms.

DEXFLOC adalah polymer dengan sejumlah tipe yang dikembangkan untuk disesuaikan dengan berbagai jenis pengolahan limbah dan aplikasi pengolahan akhir dan termasuk struktur polymer, co-polymer dan polymer kationik dan anionik dengan berat molekul yang rendah, sedang, tinggi dan sangat tinggi dalam bentuk cairan/emulsi dan padatan/bubuk.

Dexfloc C Series	Cationic Polymer, Powder	Flocculant
Dexfloc A Series	Anionic Polymer, Powder	Flocculant
Dexfloc N Series	Nonionic Polymer, Powder	Flocculant



DECOLOURING AGENTS

Decoloring agent product is used for color removal treatment for high-colority waste water. It can also be used to treat waste water from textile industry and dye houses, pigment, printing ink and paper industry.

Produk decoloring agent digunakan untuk pengolahan penghilangan warna untuk air limbah dengan kandungan warna yang tinggi. Produk ini dapat digunakan untuk mengolah air limbah dari industri tekstil dan pewarna, pigmen, tinta percetakan dan industri kertas.

Dexfloc DC Series	Special Polymer	Color removal in waste water
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chemicals / bahan kimia

WATER & WASTE WATER TREATMENT / PENGOLAHAN AIR & AIR LIMBAH

BACTERIA & BACTERIA NUTRITIONS

Bacteria and nutrient products comprises fully biodegradable, non-hazardous components and use safe natural microorganisms to provide environmentally sensitive solution to a wide range sectors including manufacturing, industrial process, waste water and effluent treatment.

Produk bakteri dan nutrisi terdiri dari mikroorganisme alami terbiodegradasi seluruhnya, komponen yang tidak berbahaya dan aman digunakan untuk memberikan solusi lingkungan yang sensitif dalam banyak bidang termasuk pengolahan pabrikan, proses industri air limbah dan buangan.

Biodex Start Series	Aerob & Anaerob Bacteria	Seeding & additional
Biodex Nutrient Series	Nutrient	Increase the metabolism of organic material
Biodex Activator Series	Activating agent	Bacteria activator

DEFOAMERS & ANTIFOAM

IDEX's defoamers and foam control agents are effective to control the unwanted foaming. It is suitable to be applied in a wide range of processes, such as wastewater, steam generation, cooling water systems, distillation, fermentation processes, effluent treatment, food processing, sugar manufacturers, paper and paperboard production, plastics, adhesives, and many other manufacturers.

Produk defoamer dan bahan pengendali busa efektif untuk mengendalikan busa yang tidak diinginkan. Produk ini cocok untuk digunakan dalam berbagai proses seperti air limbah, pembangkit uap, sistem air pendingin, destilasi, proses fermentasi, pengolahan buangan, proses makanan, pabrik gula, produksi kertas dan kertas karton, plastik, perekat dan lain-lain

Waterchem DF Series	Water Base Defoamer	To control foam
Silodex AL Series	Silicone Base Defoamer	To control foam

REVERSE OSMOSIS

In order to insure that the reverse osmosis systems are in good condition with optimum recovery rates, operational efficiently, and reduce problem related scaling and corrosion. continuously by using carefully selected reverse osmosis treatment

Untuk menjamin reverse osmosis dalam keadaan baik dengan laju alir produk yang optimum, operasional yang efisien, dan mengurangi permasalahan yang berkaitan dengan proses pergerakan dan korosi secara berkesinambungan, dengan pemilihan perawatan reverse osmosis yang baik..

- ◆ Antiscalant & Antifoulant
- ◆ Chlorine Scavengers
- ◆ Microbiocides
- ◆ pH adjustment
- ◆ Membrane Cleaning Agents

Flomax Series	Special polymer	Antiscalant
Flodex CHS Series	Chlorine scavenger	Remove chlorine in feed water
Biodex MB Series	Biocide	Microbiology removal
Alkatrol Series	Alkalinity agents	pH adjustment
Cleanchem MC Series	Acid Base Base Base	Mineral Removal Organic Removal Silica Removal



chemicals / bahan kimia

EQUIPMENT CLEANING / PEMBERSIHAN PERALATAN

Our industrial cleaning chemicals are effective to provide performance benefits, increase the speed and efficiency of many cleaning and maintenance activities.

Produk kimia kami untuk pembersihan industri efektif memberikan banyak keuntungan dalam hal performa, meningkatkan kecepatan dan efisiensi dalam pelaksanaan pembersihan dan perawatan.

- ◆ Boiler Cleaner
- ◆ Condensor Cleaner
- ◆ Tank Cleaner
- ◆ Boil Out Treatment

- ◆ Resin Cleaner
- ◆ Fouling
- ◆ Organics & In Organics
- ◆ Scale

Cleanchem CL Series	Acid base with acid inhibitor	Calcium and iron scale removal
Cleandeps CL Series	Acid base	Silica scale removal
Neutralizer CL Series	Neutralized agent Passivated agent	Neutralising & Passivating after acid cleaning



SUGAR EVAPORATOR CHEMICALS

Our products help retarding the scale formation in the evaporator and improves heat transfer by increasing the solubility of dissolved salts reducing evaporator cleaning frequency

Produk kami membantu memperlambat pembentukan kerak air dalam proses evaporasi dan meningkatkan transfer panas dengan menambah kelarutan dari garam yang terlarut sehingga dapat mengurangi frekuensi pembersihan evaporator.

- ◆ Scale Inhibition Polymer based for use in sugar evaporators
- ◆ Food Grade Product
- ◆ MUI Halal Certification
- ◆ Higher degree of solubility in presence of calcium ions



palm oil mills / *pengolahan kelapa sawit*

FOOD GRADE BOILER WATER TREATMENT

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- ◆ Coagulant
- ◆ Polymer Flocculant
- ◆ Bacteria & Bacteria Nutritions
- ◆ Disinfectant/Chlorine



activated carbon / *karbon aktif*



Activated Carbon is a porous material that removes organic compound from liquid and gases by a process known as "adsorption". In adsorption, organic molecules contained in a liquid or gas are attracted and bound to the surface of the pores of the activated carbon as the liquid or gas is passed through.

Karbon Aktif merupakan material berpori yang menghilangkan senyawa organik dari air dan gas dengan proses "adsorpsi". Pada proses adsorpsi, molekul organik yang terdapat dalam air atau gas ditarik dan diikat pada permukaan pori-pori karbon aktif saat air atau gas melewati.

◆ High Activity Granular Activated Carbon

- ◆ Coal & Coconut Base
- ◆ Effluent Waste Water
- ◆ Beverage Process Water
- ◆ Protection of Ion Exchange Resins
- ◆ Municipal Drinking Water
- ◆ Industrial Process Water
- ◆ Home Filter
- ◆ MUI Halal Certification





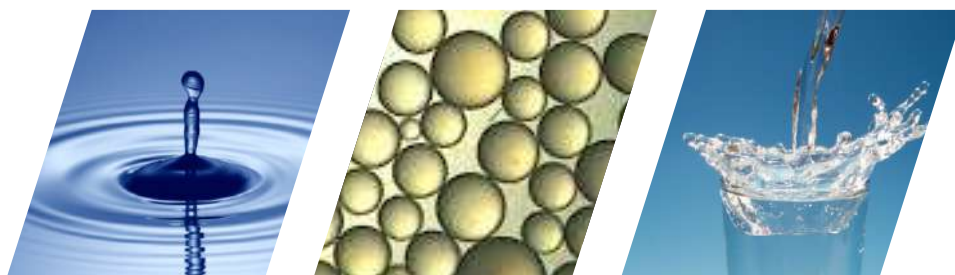
ion exchange resin / *resin penukar ion*



MAIDA Ion Exchange Resin is high quality ion exchange resins of all types - gel, macroporous and isoporous, for water applications in many industries such as food & beverage, paper mills, sugar, palm oil mills, textile, pharmacy, and many more. Lower rinse volumes, high capacity, superior life pattern and proven track record make the MAIDA resins a preferred choice.

MAIDA Ion Exchange Resin adalah resin penukar ion berkualitas tinggi dari semua jenis - gel, macroporous dan isoporous, untuk aplikasi air di banyak industri seperti makanan & minuman, pabrik kertas, gula, pabrik minyak sawit, tekstil, farmasi, dan masih banyak lagi. Volume bilas yang lebih rendah, kapasitas tinggi, pola masa pakai yang unggul, dan rekam jejak yang terbukti menjadikan resin MAIDA pilihan yang lebih unggul dalam aplikasi.

- ◆ Softening & Demineralisation
- ◆ Industrial Process Water
- ◆ Beverage Process Water
- ◆ MUI Halal Certification





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