

PIVAB WEBSITE TRANSLATION

[Home \(swe. Hem\)](#)

We improve workshops.

And develop the world's best paint booths.

Since 1976, we have developed products and coating systems for both normal and extreme conditions. And by extreme conditions, we mean places like the coldest parts of Russia and the hottest places in Africa.

Having that experience, we can guarantee having a solution for businesses that exist in our planet's more normal environments. Now our coating systems are only a small portion of what we can offer.

What we are really good at is streamlining the flow throughout entire operations.

[This is how it works](#)

An optimal coating workshop

in four simple steps.

Our goal is to develop the world's best spray booths. But everything we do is really about improving our customers' entire operations. A varnish station plays a much larger role in the workflow in a workshop than most people think. If you think about it right from the beginning, there are big profits to make, even in other areas of the workshop. It could be anything from a significantly increased efficiency and reduced operating costs to a better working environment and more consistent quality of the paint jobs. The secret behind it is of course found in our energy-saving products, but also in our knowledge of painting and in the careful work process that we have developed.

Planning & drawing (swe. Planering & ritning)

For the end result to be good, everything must be done correctly from the beginning. Therefore the first phase is about face-to-face meetings, accurate information on existing activities, floor plans, flow charts, work processes, needs' analyses and your aim with the project. When all the facts are in place and the analyses are made, we can start sketching on solutions.

Overview activities

We always start with meeting in person, for a first meeting. The goal is to quickly get a clear overview of your business and understand what thoughts you have about the future. Do you have an existing site to be updated or expanded? Are you starting up a new business that shall be optimized from the start?

Analysis of varnish & engineering process

When we have an overview, it is time to do a needs' analysis. How many items pass your workshop today and how many items would you like to be able to pass when the project is completed? Do you want to expand operations and start working with small damage and Dent repair? Do you want to cut lead times?

Energy Calculation

No matter which of our products you choose, we can guarantee that it is the most energy efficient on the market. By going through your energy process and making an energy calculation, we can show you how much you earn by choosing Pivab as a provider and that the saving most likely covers both interests and capital repayments of your investment.

Sketches and drawings

When we have agreed on your needs and on what you are interested in, we begin to produce sketches in 3D. Then you will get a good idea of how things might look in reality. From the first layout, we can then test and elaborate different designs and styles in order to find a blueprint by which to move forward. When you are satisfied, we create 2D drawings that become the basis for the final design drawings and construction documents. Here we also make unique customizations for your specific business and your needs.

Approval of business

When the drawings are complete and approved, we have reached the end of the first phase of the work process. This is where we agree on solutions, price and delivery time.

Manufacturing & customization (swe. Tillverkning & anpassning)

Now we know your needs and can start looking at optimization of the workflow of your business. This we partly create with the right products, but also by making use of the premises and place the products in the right place. Our products are manufactured in Sweden, and by well-known suppliers with whom we have close relationships.

Design Analysis

To make use of the facility is the be-all and end-all in order to get an efficient flow. Through the development of detailed construction drawings, we quickly see the existing pillars, windows, doors, and piping, and how to utilize everything as well as possible. During the analysis, we also see how the chassis and ventilation needs to be adapted for your premises.

Planning Meeting

Information and consensus are important. Therefore, we summon everyone involved in the project to a planning meeting. On this occasion, we go through the design drawings, detailed plan, project scope and what it means for those involved. The goal is to attain a consensus, to know what should be done, and to set up a provisional timetable.

Manufacturing

Most of the components for our products are manufactured in Sweden. But regardless of whether the subcontractor's business is based nearby or elsewhere in the world, he is the carefully selected and comply with the same requirements that we demand of ourselves, on raw materials, accuracy, and delivery times.

Transport & Assembly (swe. Transport & montering)

Before the first shipment, together we schedule a detailed timetable. In order to gain time and efficiency, at the same time we involve the contractors to help during the installation. Everyone's work should follow the mutually established timetable, working with the common ending date in sight. Continuous contacts between the project manager, customer, and all installers are required throughout the project.

Transport

For the sake of security, we'd rather take care of the transport and delivery. Thereby we have full control over the items and can synchronize these with our technicians, who directly can position the material for the correct worker process. Depending on the scope of the deliveries, we plan them

together with you. If not all material can be delivered due to lack of space, then of course we make sure to part deliver your order.

Montage

During the Assembly period, it is important that everyone will synchronize with each other. We also try to make sure that you'll be able to have normal conditions during the project and avoid shutting down or otherwise be interfered in your daily work.

When the project is finished, we go through it with you and ensure that the result is according to your preferences.

Ongoing contact

In order for the assembly to run effectively, we have daily contact with the contractors concerned and with you as a client. The more information that reaches the right recipient, the less the risk of misunderstandings.

~~Operations & service (swe. Drift & service)~~

The facility is finally completed and ready to be used. Now all that's left is testing, fine tuning, and optimization. Here we perform thorough controls so that all flows are functioning properly, for example that the quantity of air in the booth is perfect and that quick support online works. At the handover, you can bring in your own consultants jointly verifying the final result.

Handover

When we know that the plant is running at peak performance, it is time for you to take over. In connection with the handover, we have a thorough review of the machine and the manual. If you have ordered our training in dust-free painting, this will take place now.

Subsequent Verification

When you have used the plant for a while, the time has come for rechecking. It usually takes place after approx. three to six months. Then we go through the plant with you and make sure that everything is fine and works as it should. Verification is compulsory and included in the delivery, this is to secure the equipment and for You to make any more subsequent adjustments.

Service Agreements

When the subsequent verification has taken place, we write a service agreement with our customer. It is the easiest and most convenient way for you to minimize the risk of sudden disruptions to your operations. What service intervals you get depends entirely on your production rate. By quick support online, our technicians see when it is time for it and will contact you for an appointment.

In order for the warranty to apply, the service must be performed by Pivab.

Services & products

The cornerstones for you to become even better.

With us, a series of competent people are working. All of them are experts in their field and together we form an entity which no one else in this line of business can match. When we add our products and systems, we get a working process that we can apply to your business anytime, regardless of whether you already have a well-functioning paint-spraying shop or you're an entrepreneur dreaming of your own paint shop.

Consultation

We have a lot of cutting-edge expertise that we gladly share. Business development, classification plans, 3D drawings, training in dust-free painting are just a few examples.

Products for car & truck repair

Whether it be a large or a small workshop, there are always dreams of becoming better and more profitable than it already is. With our ideas and systems, we can help you a long way.

Products for the engineering industry

There are more things than cars and trucks that need to be painted. Our system works just as well for the coating of trains, kitchen cupboard doors, details or something entirely different. Only your imagination sets the limits.

Miscellaneous

It's not just the varnishing plant that must be in tip-top condition in order for a paint-spraying shop to work. In our assortment there are several smart products that helps create a great workplace.

CASES (swe. CASE)

*Exactly this we mean
by being problem solvers.*

When we get an assignment, we not only want to help out with a new product or a new system. We take our customers more seriously than that. The varnish station is an important cog, and there are always adjustments that can change the workshop's overall efficiency. To find, analyze, and solve problems is what we really like and are passionate about. If the customer has one problem, our goal is to solve two. Always. On this page you will find some of our clients and examples of assignments that we performed for them. If you would see more cases or get more information about something, please contact us at Pivab.

International

Our products are developed to meet very harsh environments. For this reason, we have had many exciting projects in countries such as Angola, Algeria, Saudi Arabia, Thailand, United States, Russia (Siberia), and China.

Consultation

You don't have to be a customer of ours to gain access to our expertise. Pivab's experts are always bookable and available for issues related to business development, training and optimization.

Car & truck repair

Finding solutions for the coating of vehicles is what we have worked with for the longest time. The assignments can be anything from starting up a new facility to optimizing an existing one.

Engineering Industry

There are more things than cars and trucks that need to be painted. Our products and systems work just as well for the coating of boats, trains, kitchen cupboard doors, details, or something entirely different.

Industry news

All the latest all in one place.

In our line of business, thrilling things often happen. Under the heading Industry news we regularly publish articles about new products, services and events that we believe that more than we find interest in.

About Pivab

PIVAB AB started in 1976 and has since worked to develop products and systems for coating under both normal and extreme conditions. This has led to us today delivering equipment to North America and Europe, but also to countries such as Angola, Algeria, Saudi Arabia, Thailand, Russia (Siberia), and China.

We like all types of missions. Large and small ones. The trickier they are, the more inspired we become. In addition to the exciting and interesting missions, our firm belief is that everything we do should be done on time and kept within budget. It makes us proud and our customers happy.

In addition to offering great products and solving our customers' problems, we wish to be easy to contact, easy to deal with, and easy to understand. We also wish to be 100% handy, listening to our

customers, and offering long-term solutions that they can rely on. We shall create value for our clients and always deliver what we promise to.

Innovations

Of course, we want to develop as a company. But above all, we want to drive the line of business forward.

In our ambition to solve problems and develop workshops, also new ways of thinking, designing, and implementing are born. Over the years, this has resulted in a number of innovative ideas, many of them unique in the world and patented. These innovations have also left their mark on our organization, on how we perceive ourselves, and on how we are perceived by our customers. Innovation is our best means of competition and the factor that usually makes all the difference for our customers.

A Wall-mounted dual filter system that provides smoother and faster



replacements, and a controlled air flow across the entire flooring surface. The filter change takes place in the booth wall long edge, thus avoiding lifting a heavy lattice flooring.

This revolutionary system is highly appreciated and used today in several places, such as in Gövik, Mo-i-rana, Oslo, Fana, Hadeland, Trondheim, Jeppo, Eslöv, Umeå, and Halmstad.



For a better cleaning of water-based paints in our facilities, we have developed a new filter. The patented filter is based on the labyrinth principle and is made up of clay that can be reused on site. In our facilities, incoming supply air is filtered in four steps before leaving the facility. The new filter results in less stress on the plant, giving a better economy and a better environment. During a trial period (630 items), the overall filter cost became 2.34 cents per item, work not included.



A revolutionary flooring construction with an adjustable lift table that lowers a vehicle for comfortable working height, partly under the flooring surface. For the sprayer, this renders a much smoother and better working environment. And for you, it means a long-term approach and a more consistent quality of paint jobs.



Energy-saving and EX II-approved electrical fittings that reflect light toward the object. For the sprayer, a more even light implies that he or she can see the object better, work more efficiently, and raise his or her quality over time.

We use DAYLIGHT to mimic the natural light. The shades of colors should be the same for the sprayer in the paint booth as when the car comes out in daylight. This reduces the number of possible "back" jobs.



A smart online system, which among other things allows for direct support and operational monitoring in real time. Through this, our engineers obtain continuous information about what is happening inside your facility, what the energy consumption looks like, operational disturbances, and when it will be time for the next service.

PRESS

FAIRS-EVENTS

Upcoming Exhibitions - Events

Past Exhibitions - Events

SERVICE

Of course, we offer service contracts with an ongoing maintenance service. In this way, you can be sure that the high precision and good function of the facility is preserved as long as possible. And that you avoid unexpected downtime and costly repairs caused by lack of maintenance.

If you sign a service agreement with us, you will always get spare parts at discounted rates and extra good hourly rates. If you have a Pivab facility with a VPN control system, we can keep current track of your facility, keep statistics, and know exactly when you're in need of service and what we need to do at the next service.

Our service technicians depart from Örnsköldsvik, Stockholm, and Veddige.

DEALERS

For you in the Nordic countries wanting to get in contact with our products, we have distributors in Sweden, Norway, and Finland. Please contact us here and we will convey your contact further.

CONTACT

Helping is the thing that we like the most. Call, email or visit.

You are always welcome to us at Pivab!

BUSINESS DEVELOPMENT

We will help you to get better.

Coating is an important part and a great influencer of the total flow in a workshop. If you utilize the right parts in the right way, the whole business can get a hefty boost.

To be able to keep up or be better than their competitors, there must be a willingness to join, develop, and constantly sharpen the business.

Business development is a broad area that, among other things, deals with finding the right business structure, the right work approach, and the right processes. In order to make the development process a little easier, we usually divide the issues between working process and system. In the day-to-day work these merge, but in the improvement process we differentiate them in order to be able to more easily communicate and found an understanding about the changes.

No matter how you look at business development, it's always about creating a better profitability. Is your company facing big changes? Do you need help in finding more efficient ways of working and a more efficient workflow?

With us you will find specialists in business development for small as well as large engineering companies.

We can optimize your workshop.

The varnishing plant is an important part of the overall workshop. Much more important than most people think. Indeed, it is only when the coating is in top condition that you can see the difference and tell how important it really is.

When we develop workshops, it is of course not just about coating but also about everything around it. We look at flows, workplaces, working environment.

The result is a list of measures that we think need to be taken. The goal is an effective business, where the staff thrives and where opportunities for many and good jobs are available.

WORKSHOP DESIGN GROUP (~~swg~~. WORKSHOP DESIGN GROUP)

WE'RE NOT TALKING ABOUT A SOLUTION ... WE'RE TALKING ABOUT YOUR SOLUTIONAND IT PREVAILS TOMORROW TOO.

We are three companies in the Motor Industry having experienced that there is a problem when it comes to modification, extension, and new construction in the Motor industry.

There are delays, increased expenses and incorrect solutions. There are always too many "chefs" involved. Therefore, Pivab, (booth provider), Johnels & M, (architectural firm) and Axalta, (varnishing provider) have decided to join forces in a project group that can present complete solutions that meet your needs.

Whether you're planning a brand new car facility, a complete damage repair workshop, or just varnish.

In the group, we have many years of experience from optimization, construction, and design of car facilities. Building a car facility is not the same as building a house.

Included in our group are:

PIVAB AB

- Market leader in painting plants and ventilation solutions,
- Specially energy efficient solutions for both normal and extreme conditions

Johnels & M AB

- Market-leading architects in Sweden and Norway regarding the design of Automotive service facilities, today serving Volvo, Hyundai, Ford, Renault, and others.

Axalta Coating Systems Sweden AB

- Market leader in the paint industry with representation of Standox, Spies Hecker, and Cromax.
- Specialty: flows in the workshop.
- Product development towards energy-efficient painting systems and construction of workshops

What we offer is an optimal solution for your specific needs, nothing more and nothing less. In the project is included solutions always taking the environment into account boasting proposals favoring a minimal energy consumption.

The project also includes market development, for your workshop stay on top tomorrow too.

We help provide other equipment that we can't deliver ourselves.

Before project decisions, we present a cost estimate, and operating economy and investment calculations.

Are you interested in our help? More information about us can be found at www.pivab.se/Tjanster-produkter-lackboxar/
Then click your way to Workshop Design Group.

TRAINING

Knowledge that innovates. And improves.

For nearly 40 years, we have worked with painting and development of products that improve the coating process. During these years we have managed to gather a lot of knowledge about how a paint-spraying shop can work better and more efficiently. Today, we have so much knowledge that we often receive requests to share it.

Because all companies are different and have different prerequisites, our courses are customized fully. This means that the content always is aligned for the participant. Learning is highly effective and can take the form of individual instruction or group instruction. The participants in a group coming from the same company allows the teacher to control the content so that it suits precisely their business and work situation. All training aims at making students well equipped to get started and work within the professional field directly after completion of the training.

Our most common training is dust-free painting. But we can also offer you Start Spray Shop.

The purpose of the dust-free training

1. Enhance understanding of dust damage and dust sources.
2. Provide practical tips and advice for preventing damage caused by dust particles in the paint.

The aim of the course Start Spray Shop

1. the most important steps in the process will be taken in the right order and at the right time
2. reasonable expectations on resource efforts and duration are raised
3. the objective is to facilitate the retailer's decision to start their own paint shop

The training is designed in collaboration between PIVAB AB and Volvo personbilar Sverige AB

DENT-EXTEND

is a paint booth beyond the ordinary.

Combo booth Dent Extend is designed for those who want to be able to effectively perform the larger paint repairs at very low running costs.

For paint repairs on cars and vans, Dent Extend is the perfect solution. The booth is placed directly on the existing floor and not to take up valuable floor space, aggregates can be placed on the roof (where enough headroom). Dent Extend can be delivered as a drive-through booth and is prepared for installation of a blower system for water-based products (Dent Jet).

The air in the booth moves horizontally, has an average speed of .3 meters per second, and consumes only half the air quantity compared with a conventional solution. The aggregates in Dent Extend have a rotating heat exchanger with efficiency between 70% to 85% of operational cases. The aggregates are combo units and come fully assembled on a steel frame. They are also partially electrically connected internally and test-driven in the factory. This combo results in a short installation time of about seven days.

~~FACTS~~ (swe. FAKTA)

- Paint booth for Passenger Cars/ Commercial Vehicles
- **Internal size:** _____
- **Exterior size:** _____
- **Assembly time:** approx. _____
- **Heat Recovery:** _____
- **Operating Conditions:** Half Speed, Full Speed, Intermediary Drying, Drying
- **Energy Sources:** Gas, District heating, Oil, Electric battery
- With district heating, gas, or oil as energy source, the facility is secured with 40 amps
- EX II-approved fittings with targeted reflectors
- Placed on existing floor
- Ventilation aggregates can be placed on the booth roof

DENT TENT

is a paint booth for you who have a limited floor space.

Dent Tent is a flexible paint booth for passenger cars and unattached details. When not in use, it's got the awning tent unfolded, which frees floor space. When painting, it's got the awning tent folded, hence shielding the vehicle from the outside part of the premises.

Dent Tent is optimal for small damage repairs and detail paint finishes. It has integrated storage areas for supplies, which saves time as everything already is in place. On coating of smaller objects, you can close the booth's opening with the integrated blind. The air in Dent Tent moves vertically at .2 meters per second. Can advantageously be combined with Dent Mix.

~~FACTS~~ (swe. FAKTA)

- Flexible paint booth for passenger cars/ details
- Available with two openings/ awning tent
- **Internal size:** _____
- **Exterior size:** _____
- **Energy Sources:** Gas, District heating, Oil, Electric battery
- EX II-approved fittings with targeted reflectors
- Has four doors as standard
- Placed on existing concrete floor

DENT TRUCK

is a flexible paint booth for coating of trucks.

Dent Truck is a flexible paint booth for truck coating. When not in use, it's got the awning tent unfolded, which frees floor space. When painting, it's got the awning tent folded, hence turning Dent Truck into a paint booth.

Dent Truck is optimal for small damage repairs, detail paint finishes, or as a complement to a larger booth. On smaller coatings, you can close the booth's opening with the integrated blind. It has integrated storage areas for supplies. Everything being in place saves time and prevents unnecessarily running about. The air in Dent Truck moves vertically at .2 meters per second. Can advantageously be combined with Dent Mix.

FACTS – (swe. FAKTA)

- Flexible paint booth for trucks/details
- Placed on existing concrete floor
- **Internal size:** _____
- **Exterior size:** _____
- Four access doors as standard
- EX II - approved fittings with targeted reflectors
- **Energy Sources:** Gas, District heating, Oil, Electric battery
- Ventilation aggregates can be placed on the booth roof

DENT EXTEND DRY

Increase production flow with the drying oven Dent Extend Dry.

If you need to add more capacity to your production, a subsequent drying oven can bring you completely new possibilities. For example, if you have a combo booth, you can process 5-7 objects per day. If you add a Dent Extend Dry, you can process 12 to 14 objects.

Dent Extend Dry is an efficient drying oven placed directly on an existing floor not to take up valuable floor space, aggregates can be placed on the roof (where enough headroom). The air in the oven moves horizontally, with an average speed of .3 meters per second and consumes only half the air quantity compared with a conventional solution. The drying oven recovers about 85% of the heat energy in the air that is evacuated during the drying process (20% of total air quantity). With a subsequent drying oven, the combo booth does not have to be used as a drying booth, thus avoiding having to evacuate the 65 centigrade air about 5-7 times a day.

Assembly and installation time is about seven days.

FACTS – (swe. FAKTA)

- Drying oven for Passenger cars/ Transport vehicles
- **Internal size:** _____
- **Exterior size:** _____
- **Assembly time:** approx. _____
- **Heat Recovery:** _____
- **Energy Sources:** Gas, District heating, Oil, Electric battery
- With district heating, gas, or oil as energy source, the facility is secured with 40 amps
- Placed on existing concrete floor

- Ventilation aggregates can be placed on the booth roof

DENT DRY/DENT DRY MINI

is a directional oven for plastic parts.

Dent Dry is a directional oven designed for drying and straightening plastic parts. Dent Dry comes in two variants, Dent Dry and Dent Dry Mini.

Dent Dry is prepared for drying solvent based details. It is spacious and can accommodate four bumpers at a time (three in a Dent Dry Mini). The device comes fully assembled on a wooden pallet.

FACTS – (swe. FAKTA)

- **Interior size**
Dent Dry: _____
Dent Dry Mini: _____
- **External sizes**
Dent Dry: _____
Dent Dry Mini: _____
- **One electric battery:** _____
- **Temperature:** _____
- **Aggregate capacity:** _____
- **Exterior sound level:** _____
- An EX-classed circulation fan, .75 kW
- (secured with 25A)

DENT PREP

is a workstation for prime processing and Dent Repair.

This is the solution for you who are scrupulous about the result and who want the best working environment possible for prime processing and Dent Repair.

Dent Prep is designed to be the best place to carry out prime processing on. Dent Prep has very good task lighting with three electrical fittings in the rear wall and can also be installed with 6 EX II – approved electrical fittings on the ceiling as a supplementary option. The workplace can be screened off by three remote-controlled curtains which makes it possible also to perform minor paint work. Dent Prep is available with or without storage shelves.

FACTS – (swe. FAKTA)

- Exhaust air wall with dual filter system
- **Exterior size:** _____ (externally)
- **Recommended air quantity:**
- One horizontal storage shelf
- Two standing storage shelves
- Three remote-controlled curtains with vision panel
- EX II-approved fittings with targeted reflectors

DENT WELD

Dent Weld is a workstation for sheet metal work.

With the help of the ventilation system Dent Weld you can weld, plate work, and do prime processing in the same place.

Dent Weld is a ventilation solution that provides an optimal working environment at each workstation. The big advantage with Dent Weld is that you get an optimal workplace to perform sheet metal work and welding, without having to move the object. Thus reducing your lead times

- DENT WELD has EX-II fittings that also direct light toward the lower parts of the vehicle for optimal work lighting
- DENT WELD has a white sound absorbing system throughout the ceiling, which results in lower noise and more comfortable workplace for you as well for your co-workers outside of DENT WELD.
- DENT WELD is prepared for other equipment, such as Nederman, Car-o-liner, Mirka, etc
- DENT WLED has built-in security systems so that both welding and grinding operations can be performed.
- The ventilation is controlled by sensors which entails maximal energy savings during production.

DENT STATION 1-6

Dent Station is suitable for all types of coating works.

Dent Station exhaust air walls with a dual filter system offers you unimagined possibilities. A perfect solution for all types of prime processing, grinding, and painting work.

Dent Station is available in six basic designs and suits everyone that in any way works with painting and need filtered exhaust air. Dent Station comes fully assembled on pallets and connects to the appropriate ventilation aggregate. Besides the models 1 to 6, Dent Station comes in endless variations. All according to your needs and desire.

FACTS – (swe. FAKTA)

- **In Common:**
- Exhaust air wall with dual filter system
- Max air quantity: _____
- EX II-approved lighting fittings _____
- One storage shelf _____
- Two standing storage shelves _____

DENT STATION 7

Dent Station 7 provides supply air in paint and grinding spaces.

Dent Station 7 is a flexible supply air box suitable for all types of painting wherever you need supply air.

Dent Station 7 is a filtered supply air module. The product is very flexible and can be connected in series where desired, depending on the size of the space to be ventilated. Perfect for those of you who have an existing space and want to start painting, or for you who need to supplement an existing facility. Together with our other Dent Station-products, it is possible to create unique combinations based entirely on your needs.

FACTS – (swe. FAKTA)

- Supply air box for painting and grinding spaces
- _____
- Maximum air flow, depending on size

DENT FLEX

With the combo station Dent Flex, you fix plastic repair and prime processing at the same time.

Dent Flex is a flexible combo station with two workplaces for grinding and prime processing of bumpers and plastic repairs.

With Dent Flex you cover two operations with a single product. By using a perforated working table, you have the ability to repair minor plastic parts, and for work on bumpers the adjustable arms are used. The entire station is on wheels and is easy to move when required. Dent Flex is connected on site to an appropriate exhaust ventilation.

FACTS – (swe. FAKTA)

- Flexible combo station with two workplaces for plastic repair and prime processing
- Exhaust air station with dual filter system.
- _____ connection adapter
- Recommended air quantity: _____
- Channel Connection _____
- Two EX II-approved lighting fittings, _____
- A detachable work table is available as an accessory.
- DENT FLEX is divided so that the ventilation can be switched off manually for each workstation

DENT MOBILE

Dent Mobile is the solution for minor paint works.

Dent Mobile is a great solution for those who want to supplement your existing plant with a mobile, flexible system for small damages.

Dent Mobile is very easy to use and consists of one supply air module and an exhaust air gear. Dent Mobile takes up no space and can easily be put aside when not needed. It is so smart and flexible that you can take Dent Mobile with you and perform the work at the customer's premises. The station does not require mounting, it is connected directly to the existing system or with separate fans. Fans and hose for connection are available as accessories.

FACTS – (swe. FAKTA)

- Flexible system for minor paint work
- The units are mounted on chassis with wheels

- The unit's dimension _____
- _____
- Channel Connection _____
- A supply air module and an exhaust air gear, incl. filter
- _____

DENT MOBILE XL

Dent Mobile XL is the solution for minor paint work on larger objects.

Dent Mobile XL is a good solution for you who want to supplement your existing plant with a mobile, flexible system for small damages on larger vehicles.

Dent Mobile is very easy to use and consists of a supply air module and an exhaust air gear. The paint station takes up no space and can easily be put aside when not needed. It is so smart and flexible that you can take Dent Mobile with you and perform the work at the customer's premises. The station does not require mounting, it is connected directly to the existing system or with separate fans. Fans and hose for connection are available as accessories.

FACTS – (swe. FAKTA)

- Flexible system for minor paint work
- The units are mounted on chassis with wheels
- External dimensions _____
- Channel Connection _____
- A supply air module and an exhaust air gear, incl. filter
- _____
- The units have wheels for easy handling
- 2 x EX II-approved electrical fittings
- Takes up little space, since the construction is designed to be pushed together when not in use.

DENT MIX

Dent Mix is a complete mix room of the smaller format.

Dent Mix is an assembled mix room with integrated ventilation. Perfect for you who want to quickly expand your business.

Dent Mix comes with an associated classification plan and is also available complete with equipment.

FACTS – (swe. FAKTA)

- Complete mix room ready-made with flooring and coating
- Internal size: _____

- Has complete classification plan

DENT JET

Dent Jet is a fast drying system for water-based products.

If you want to maximize your efficiency and increase production, the integrated quick-drying system Dent Jet is a really smart investment.

If you already have a Dent Extend, Dent Dry, or Dent Tent, then Dent Jet works as an accelerator to the drying process. With Dent Jet, which is connected directly after the heat source, the drying time is shortened entailing more items per day (about 1-2 items more at normal production). The system consists of four modules which are integrated into the walls of the booth.

Dent Jet is possible to retrofit in all of Pivab's paint booths, even in other paint booth manufactures.

FACTS – (swe. FAKTA)

- Comes fully assembled on a steel frame with filters, fans, regulator valves, and control cabinets

DRYING OVEN

Increase your productivity with a drying oven.

For you who already have a combo booth and want to increase the production flow, a drying oven is a smart investment.

If you need more capacity, a subsequent drying oven can bring you completely new possibilities.

The air in our drying oven moves vertically, and holds an average speed of .2 meters per second. The drying oven recycles 80% out of the 20% evacuated during the drying process. With a subsequent drying oven, rendering unnecessary utilizing the combo booth as a drying booth, thereby avoiding evacuating 65 centigrade air after each item dried.

With our modular system we are able to customize the drying booths based on your unique requirements. Take a closer look at the cases below to see how other industrial customers were helped through our drying oven.

FACTS – (swe. FAKTA)

- Drying oven for commercial vehicles/details/trains, boats, etc.
- Heat Recovery _____
- Placed directly on flooring
- **Energy Source:** Gas, District heating, Oil, Electric battery
- With district heating, gas, or oil as energy source, the facility is secured with 40 amps
- Ventilation modules can be placed on the booth roof

DETAIL BOOTH

Painting of details.

In our detail booths, various objects can be coated depending on the size of the detail booth.

Major contracts often include also minor details in need of painting. Then it is important to have a detail booth less energy consuming than a large one. With the right placement of the material, several colors are painted simultaneously. In the engineering industry, we have created many interesting solutions for detail booths. Have a closer look at our cases, and you'll understand that we have a solution for you too.

FACTS – (swe. FAKTA)

- Detail booth for a variety of uses

COMBO BOOTH/PAINT BOOTH

With our ideas and paint booths, nothing is impossible.

No matter how large or complex things you need to paint, we can help you with a fantastic paint booth solution. Our combo booths for the engineering industry is the best choice for painting and drying in one and the same booth. The industrial booth works exactly like the equivalent Dent product, but can be customized specifically to your business needs and requirements.

With our paint booth solutions for mechanical engineering, no job is too complex or too large. They work exactly the same way as our smaller Dent booths and have the same fine qualities. The only difference is really that the industrial booths have larger aggregates and can be built in just any size. So far, all of our industrial booths have been designed specifically for the unique requirements of projects and customers.

Combo booths from us at Pivab are characterized by innovative planning solutions with the highest quality in every detail and a comprehensive account of the external and internal environment and the optimal operating economy. The air flow in the booth moves vertically, and

holds an average speed of .2 meters per second. The aggregates have efficiency between 70% to 85% of operational cases.

A wall-mounted dual filter system that provides smoother and faster replacements, and a controlled air flow across the entire floor surface. Where the filter change takes place in the booth wall long edge, thus avoiding lifting a heavy lattice flooring.

This revolutionary system is highly appreciated and today used in several places such as in Gövik, Mo-i-rana, Oslo, Fana, Hadeland, Trondheim, Jeppo, Eslöv, Umeå, and Halmstad.

The booth can also be supplied with a wall extractor having a dual filter system on both of the long sides.

Take a closer look at the cases to see how other industrial customers were helped through our combo booth.

FACTS – (swe. FAKTA)

- Paint booth for coating in all formats
- EX II-approved fittings with targeted reflectors
- Heat Recovery _____
- Sound Level, _____
- Placed on existing concrete floor
- **Energy Sources:** Gas, District heating, Oil, Electric battery
- Ventilation aggregates can be placed on the booth roof

SPECTRATHERM IR LAMPS

IR lamps allow for faster results.

IR lamps accelerate the drying process. With any of the Spectratherm models, paint dries in about ten minutes.

Spectratherm is a Canadian brand that manufactures mobile IR lamps of absolute world-class. All models make the paint dry for about ten minutes, and make you ready for your next mission. Spectratherm IR lamps are also very energy-efficient, since the energy consumption always is confined to the repaired area. Spectratherm's products are available in several sizes and come in

the original design with a mobile floor stand. For added flexibility, the system can be mounted on the ceiling.

PAINTING OVERALLS

Our unique painting overalls.

Working optimally requires optimal protective clothing.

Our overall is specially designed for painting. The fabric mixture of synthetic and silk ensures that it breathes, never gets hot, and never leaves any fibers. Available in white and in sizes S-XXL. (46-56)

CARTS

Cart for smart lateral movement.

With the help of our carts in Duralumin, you quickly move the objects sideways.

Our carts in Duralumin are low friction and can handle really large strain. Lateral rubber spacers eliminate deadlock during the coincidental transport of two cars. Lateral rubber stoppers allow for easily putting it away against a wall. The carts can be customized to suit your needs.

FACTS – (~~swe~~ FAKTA)

- Duralumin (extremely durable)
- _____

IONIZATION

Ionization aggregate provides clean air in the paint booth.

With the help of ionization, you can get totally clean air, better health, and lessened sick leave at the same time.

If one should describe ionization briefly, it's about creating particle free, clean air without static electricity and completely free from airborne pathogens. Our ionization aggregates are mounted

in the supply air channel of the ventilation system and become a permanent part of the ventilation system. Our assemblies can be installed in both new and existing installations.

FACTS

Ionization refers to one or more removed electrons of an atom so that the atom gets positively charged, i.e. becomes a cation. Photo ionization implies excitation by light and is done according to the same laws as the photo-electric effect in metals. The result is a particle-free clean air without static electricity, free also from airborne pathogens. It requires a certain amount of energy to ionize an atom. This amount of energy is called the ionization energy, which varies between all elements.

What happens?

Ionization is a process that transforms the neutral atoms or molecules into ions, and the first ionization is the energy required to remove an electron from a neutral atom. Ionization is widely used in air purifiers where particulates (such as dust) become negatively charged and then get stuck on a positively charged foil. Ionization is a very effective method for eliminating many dangerous gases such as formaldehyde, toluene, ammonia, carbon monoxide, etc.

Nature's own conditions?

Before a thunderstorm, both animals and humans experience fatigue and irritation. The air is then filled with positively charged ions that bring along a variety of pollutants. The lightning in a thunderstorm discharges the air and creates a high concentration of purifying negative ions. We feel fit and the air feels clean.

What says science?

Several researchers believe that by controlling the electrical charge in the air we breathe, we can improve our energy level, health, and our moods dramatically. Positive ions make us feel tired, depressed, and irritated. Studies also show that air filled with negative ions improves the state of patients having asthma, hay-fever, depression, fatigue, and headache.

CLASSIFICATION PLAN

Classification is a method used to analyze and assess the area where explosive gas can form.

This enables the correct selection and installation of equipment to be used in the environment. Classification also includes the identification of explosion group and temperature class.

In most cases where flammable liquids, gases, and vapors are used, it is hard to avoid an explosive gas mixture from forming. It can also be difficult to ensure that no equipment constitutes an ignition source. In situations having a high probability of explosive gas mixture forming, reliability is therefore based on using equipment that has a very low probability of constituting an ignition source. Where the likelihood of explosive gas mixtures forming is lower, equipment bearing lower requirements can therefore be used.

Through the simple assessment of plant or plant design, it is hardly possible to determine which parts of the plant can be considered to comply with the three zone definitions (zone 0, 1 and 2). A more detailed study is therefore necessary and this covers an analysis of the possibilities of an explosive mixture of gases to be formed.

When the plant gets classed and a rating plan is established, it is important that no changes are made to the equipment or to operational conditions without being discussed with the classification responsables. Incorrect actions can cause the classification to become invalid. It is necessary to secure that process equipment having been subject to maintenance is thoroughly controlled during and after refitting, in order to secure that the original protective level is retained, before it is put into service again.

The classification plan shall be at hand before the project is commenced.

WALL-MAN

Increased safety for work on high-altitude sections of vehicles - at any altitude or position without having to fuss with ladders or scaffolding that still are used today.

WALL-MAN provides increased security for operators and at the same time significantly improves the efficiency and finishing quality.

The control in the operator's cage repositions WALL-MAN along all three axes in a spray booth, including an extension in, out and around the vehicle. This versatility allows the operator to paint, mask, post signs, apply decals, or make repairs on high-sided vehicles with greater speed and certainty than is normally achievable with a ladder or scaffolding.

The compact design of WALL-MAN reduces congestion in spray booths and other cramped work areas.

ATEX-ELECTRICAL FITTINGS

EX II-Approved luminaire

The luminaire has two fluorescent tubes on either 58w. The fluorescent tubes are of Daylight type for best color correction.

The luminaire has tempered glass and polished edges.

Because PIVAB's luminaire is EXII-classed, the fluorescent tubes can be replaced from inside the booth and therefore the booth can be placed 100 mm from the existing wall, thereby saving floor space. (If the fixture does not have this class, the fluorescent tubes must be replaced from the outside and therefore the booth be placed approx. 600 mm from the existing wall).

The luminaire is inset in the booth wall and has a reflector that directs the light down towards the object.

Pivab has no oblique light fixtures in the ceiling that intrude on the filter surface, also because that type of construction creates turbulence beneath the fixture. The glass is held in place with a glass socket having two locking knobs on each side.

FACTS (swe. FAKTA)

- Daylight light fluorescent lamps _____
- EXII - classed _____
- Reflector directing the light
- EX - junction box

CASES

ORANGE COUNTY USA

When we came in contact with the Orange County Automotive, they were a small family run car plater's shop which received vehicles for minor repairs and painting.

Problem

The company had no own coating, which meant that they had to turn down many assignments or engage external help. Orange County Automotive then had the intention of being a complete damage center, for all types of vehicles.

Solution

Our solution was a modern combo booth with 70% recovery, which was a big revolution for paint booths in the United States. Just as with other international projects, this plant was installed by our staff on site. Also, we are always sure to let one of our experts take care of the training on the plant, no matter where we are.

Results

Today, the company has evolved from being a small car plater's shop to become a complete damage center. The varnishing plant has been in operation for several years and has never needed any adjustments or repairs. Only a few orders of spare parts have been added.

NÄRKO FINLAND

Närko is one of Europe's leading players in the manufacture of cars and truck trailers. Through subsidiaries, today they are represented throughout Northern Europe. The company's head office is located in Finland.

Problem

When the Närko contacted us, they had several major problems. Among other things, their existing equipment, which both led to quality problems and bad lead times. Also, the ventilation was in bad condition and caused recurring sickness absence. Another problem was that the company could not stop their production during the installation time, forcing us to find a solution that allowed for installation during current production.

Solution

Our first solution was a twin plant we built into their existing line. The plant consisted of two modern combo booths of 6 x 6 x 18 meters. Thanks to our combo booths being modular, we managed to build them while Närko had full production running. The first step of the new facility took 2.5 months in total to build.

Over the next two years, the combo booths solved many of Närkos problems. Subsequently, a decision was taken to expand the business and production substantially, so then they returned to us and wanted us to expand the plant further.

In step two, we supplemented with a subsequent paint booth and a basic booth of 20 meters each (with supplementary mix room). One of the earlier combo booths, we rebuilt to a sheer oven.

Results

Närko is very satisfied with their new varnish facility. Much due to the fact that they quickly could increase their production so much, but also because we kept strict timetables and goals. But most satisfied they are for the massive recycling that our products enable.

VOLVO BEIJING

Since we at Pivab have had the honor of developing Volvo's plants worldwide, it passed very natural that we also were contracted to take care of the new paint shop in Beijing.

Problem

Their business did no varnishing on their own, and Volvo wanted to invest in the most energy efficient system on the market.

Solution

The solution was a modern combo booth that we customized for the existing premises. We also supplied a number of prime grinding stations and a complete mix room with associated ventilation. All installation and training was handled by us on the spot.

Results

The system works as it should, and Volvo are very pleased with the result. One thing Volvo (and all other international customers) appreciates about our flexible systems is that they are container adapted, which reduces unnecessary transportation costs.

Mirka Technology center

KWH Mirka in Finland manufactures flexible abrasives, they are one of the world's leading manufacturers of abrasives, and there are no other manufacturers in the Nordic countries. Thanks to having invested a lot in innovation and top quality, Mirka has managed very well over the last 20 years boasting an ever-rising sales graph.

KWH Mirka Celebrates 70 years in 2013, the annual turnover of 2012 landed on 176 million Euros, and the number of employees on 957.

Since Mirka's geographical location is not exactly in the center of where their users are found, high demands are commonplace on logistics and product knowledge. Mirka has sales offices throughout the world.

In the spring of 2011, Mirka's management took the decision to invest in a training center in little Jeppo, where the main factory is located. Over the years, we have found that the best way to keep old contacts and forge new ones is inviting and teaching how to use abrasives in the right way. Whenever new products are launched, our vendors must be experts and here they should also get their training.

The planning of Mirka Technology center commenced in the fall of 2011. The Centre shall provide the opportunity to learn how to use in practice all products that Mirka produces. Because the auto industry is one of the largest sectors, it was clear from the outset that a car painting facility must be located here in order to recreate the environment for a vehicle sprayer. The technology center construction is very special with its many different functional purposes, flexible solutions are a requirement if we are to succeed in building this facility. Here we can not lift a standard paint booth in, here a "customized" version is required. Through a vent planner, we were told about Pivab, he had earlier been along co-planning a painting plant with special requirements, they had used Pivab's overall solution, and that client was happy about the end result. We at Mirka got in touch with Ronny Pihlblad and he came over and we went through our wishes. The end result was a very handsome overall solution with 3 preparation areas, 1 paint booth with associated mix room, and 2 fast drying ovens. Pivab's ventilation systems provide approx. 1000 m² of the approx. 2000 m² large Technology Centre. One of the requirements when planning was that we should have an eco-friendly facility with as little energy consumption needs as possible. Here, Pivab suited us perfectly with their low energy plant having heat recovery and the possibility to use liquefied gas for the heating of drying air.

Mirka Technology center shall train about 1,500 people a year in becoming really talented abrasive users, and also make them remember that they come to one of the world's most advanced schools for this very purpose.

www.mirka.com

TOYOTA TAMMER AUTO

We have delivered about 3000 installations worldwide since the inception in 1976, so unfortunately we don't have the time to write about all.

But info on Toyota Tammer Auto will be out soon.

DUST-FREE PAINTING

Volvo Personbilar Sverige AB has around 80 damage repair shops, where they take care of all types of sheet metal repairs and paint works. Because Volvo is a revered brand and most of the quests in the workshops are insurance mandates, the requirements are specially high. For this reason, Volvo cars contacted us and asked our experts to put together training in dust-free painting.

Problem

By currently endowing their painters with increased knowledge about dust and dust-free painting, Volvo passenger cars want to increase efficiency and customer satisfaction in their damage repair shops.

Solution

The training takes approx. 3-5 hours depending on scope , and is both theoretical and practical.

The main objective is to increase the understanding of dust damage, which dust sources there are, and how damage caused by dust particles in the paint can be prevented. After the training, all participants should be aware that dust-free painting counteracts additional costs and long lead times.

The training is put together in cooperation between PIVAB AB and Volvo Personbilar Sverige AB.

Results

It is difficult to measure in figures what changes a training entails. On the spots where we conducted the training, Volvo Personbilar Sverige AB have witnessed how the skill level has increased and the complaints have diminished.

TO START A PAINT WORKSHOP

Within the Volvo trade, there are more than 80 damage repair shops committed to cooperate with insurance companies and take care of damage assessments, sheet metal repairs, and paint.

Problem

Some Volvo repair shops do not have their own coating facility, which implies that on paint quests they must hire external competence.

Solution

On behalf of Volvo Personbilar Sverige AB we have developed training with the aim of making the distributor's decision to start his or her own paint shop a little easier. The education is pedagogically emphasized and shows how the most important steps in the boot process are taken in the right order and at the right time. The education also creates the right expectations of resource efforts and time consumption.

The training is put together in cooperation between PIVAB AB and Volvo Personbilar Sverige AB.

Results

The training has been carried out several times and among the participating companies, the customer/orderer feels more confident in starting up their own paint shop.

BENDT CAR

Bendt Car in Halmstad is a full service facility and dealers of Saab, Opel, BMW, MINI, and Hyundai.

Problem

The problem was that they lacked their own spray shop. Every spray job was passed on to external sprayers, which led to Bendt Car losing unnecessarily large revenues and to long lead times.

Solution

Here the assignment was to build a complete plant from the ground. From analyzing corporate business requirements to practically creating a solution that corresponded to their unique desires. Bendt Car wanted a modern building that had room for both plate and paint work. And we were participating already in the planning stage with the construction architect and consultants. Together, we designed the new building and merged the two activities. What we recommended Bendt Bil was a number of pre-processing areas and a large paint booth with floor suction and adjustable lift table with a subsequent drying oven holding two cars and a large number of details. The entire premises's air supply is based on ionization which implies that gets

is the same air quality as in a surgery room. This provides a better, dust-free working environment.

The solution is put together in conjunction with IF Skadeförsäkringar AB and Volvo Personbilar Sverige AB.

Results

Because the business is new, there is nothing to compare with, but we were able to do everything right from the beginning. So, by smart planning and placement, we were able to get down to really short lead times and to prevent future bottlenecks. We were also able to ensure that the working environment was the best possible. That lighting, ventilation, and ionization aggregates work optimally. Measures which in the long run render the company less sickness absence and generally more positive employees.

Bernt Car will neither ever need to send off any jobs to external painters. Something which instantly lowered the cost of hiring cars and transportation. Through this collective effort on efficiency, Bendt Car has also succeeded in lowering the insurance companies' costs.

NORDISKA BIL

Nordiska Bil in Luleå is a full-service facility featuring car sales, financing, workshop, spare parts, and fuel. However, they were lacking coating and damage management.

Problem

Because Nordiska Bil never has had their own varnishing or damage business, all jobs have been passed on to external sprayers. Our assignment therefore dealt with helping the company with coating and handling of small damages. The great difficulty of the project was to find a solution that worked in the limited space.

Solution

We started by doing a needs' analysis and animated movies to demonstrate the flow evincing that the best solution for Nordiska Bil was to invest in a complete damages workshop. In this way, they would get rid of all the expensive transports and truly become a full-service facility. Due to lack of space, it came down to a Dent Extend paint booth with lateral movement. We placed an adjacent Dent Mix mix room so that the sprayers can go directly from one clean zone into another.

We also delivered a space for preparatory work with six prime grinding areas (based on Dent Station), whereof one of them is a dedicated high-speed line (for acute deliveries). With the help of a Dent Flex and a Dent Dry, we created a special space for plastic repair.

The entire premises's air supply is based on ionization which implies that gets is the same air quality as in a surgery room. This provides a better, dust-free working environment..

The solution developed in conjunction with IF Skadeförsäkring AB and Volvo Personbilar Sverige AB.

Results

The plant has become as good it can ever get. Despite small spaces, Nordiska Bil have attained a tremendous flow. They have created a system for the future, easily extendible if needs increase. Now everything is assembled inside the house. No more jobs need any longer be supplied externally. In addition, the energy savings in the new plant is so great that they will reach break-even within three years.

At the same time, we installed the new control system VPN, which helps us to be able to monitor in real time what is happening in the booth and which documents service needs, and energy consumption.

Bil-Månsson I Halland is a full-service facility with car sales, financing, workshop, spare parts and fuel. Earlier, they had no coating or damage business, instead every job was passed on to external varnishers. Another nut to crack was to fit a modern plant in very limited space.

Solution

We started by doing a needs' analysis that showed that the best solution for Bil-Månsson was to invest in a complete damages workshop. In this way, they would get rid of all the expensive transportation and truly become a full-service facility. Due to lack of space, it was a Dent Extend paint booth with custom designed lateral gate movement. We placed an adjacent Dent Mix mix room so that the sprayers can go directly from one clean zone into another.

We also delivered a space for preparatory work with six prime grinding areas (based on Dent Station), whereof one of them is a dedicated high-speed line (for acute issues). With the help of a Dent Flex and a Dent Dry, we also created a special space for plastic repair.

Results

The plant has become as good it can ever get. Despite small spaces, Bil-Månsson have attained a tremendous flow. They have created a system for the future, easily extendible if needs increase. Now everything is assembled inside the house. No more jobs need any longer be supplied externally. In addition, the energy savings in the new plant is so great that they will reach break-even within three years.

Today, the company has doubled its capacity and reduced energy costs by over 70%. At the same time, we installed the new control system VPN, which helps us to be able to monitor in real time what is happening in the booth and which documents service needs, and energy consumption.

UMEÅ BILACKERING

Umeå Billackering specializes in high quality automotive repairs.

Problem

Here, the quest was to help the company to boost its production and expand the existing coating, as their production capacity was limited.

Solution

In order to increase the productivity, we customized a new and longer paint booth, where they can bring in two vehicles at the same time. We also updated their existing paint booth with a new, energy-saving ventilation aggregate. For the sprayers' well-being, the new booth got an adjustable paint table and floor suction. And to counteract the heavy lifting of lattice flooring, our revolutionary wall-mounted dual filter system was installed.

Assembly of the facility took place while the customer ran their production.

Results

Today, Umeå Billackering have doubled their capacity and reduced energy costs by over 70%. At the same time, we installed the new control system VPN, which helps us to be able to monitor in real time what is happening in the booth and which documents service needs, and energy consumption. Umea Billackering also has noticed an increased positivism and less sick leave among their sprayers.

HELMIA-FILIPSTAD

In the spring of 2011, we began to think about our own painting, partly because we could get access to a bit more floor space. I have more than 10 years experience in car painting and knew a bit of what it was about. We took in quotes from 3 vendors and I got help from Glasurit to calculate which revenue was required.

After a series of meetings and visits with the various vendors we evaluated everything and concluded that PIVAB should deliver.

PIVAB were most flexible, and we assessed that we would get the most for your money there.

Our experience with Pivab.

I sent my drawings to PIVAB, Ronny Pihlblad came and measured the premises and sent 2 different layout suggestions to us.

One of them entirely based on my designs and the second one was PIVAB's proposal.

This made me go through everything in detail again and take in both proposals, Ronny came by and we went through it all.

We found out that the rest of the premises could be freshened up with PIVAB's wall sections with lighting.

PIVAB got back with a new quote, we met and went through the quote, our commitments and PIVAB's.

We signed and commissioned the job. A timetable was established by PIVAB so we could make our preparations, including some hole-takings.

PIVABs assemblers arrived on the agreed date, and we have a meeting with everyone involved.

Construction begins and all other constructors, plumbers, and electricians know when they shall do their parts, all using PIVAB's time schedule.

The coating facility begins to take shape and I'm present throughout the installation, which was both fun and rewarding.

All questions and problems on the way was solved easily with PIVAB's staff. When construction begins to get ready, PIVAB's technicians arrive and start to deploy operations. After measurements, test run, and adjustments, everything is ready for final inspection and takeover of the plant.

PIVAB arrive and go through everything, and also give us an education in dust-free painting.

In our contact with the local environment and building committee for all approvals, we had great help from PIVAB's documentation.

Now we have run the plant for 12 months, and we see that the operation costs are very low and that the work environment is very good.

The plant works very well, and it's easy to plan jobs when you have everything under one roof.

You do not need transports to external varnishers and can reduce the number of service days, now we have an overview of all the work and can thus ensure a high quality. We see that it's easier to attain high revenue on our damages workshop having our own spray shop.

We are very pleased with PIVAB as the supplier, and feel that we got great value for the money.

Daniel Andersson, Engineering Manager.

BAE SYSTEMS HÄGGLUNDS AB

BAE Systems Hägglunds is a manufacturing company in Örnsköldsvik that among others work for the armed forces. When BAE Systems Hägglunds contacted us, they were going to make major changes to their operations.

Problem

1. They had an old facility, both technically and from an energy point of view. 2. They wanted to increase their existing production. 3. They would move their operations to completely new premises.

Solution

Since the company would move to new premises, we got an opportunity to influence the design from the beginning. In order to more quickly find the right solutions, we divided the project into two parts: a complete coating plant for large vehicles and a complete conveyor plant with detail painting of unattached parts.

To utilize our systems fully and minimize the resource waste, we created a line of effective conveyor belt painting in four steps: Paint booth, Flash-off/ Intermediary dry booth, Dry booth, and Cooling/ cooling off booth.

Because BAE Systems Hägglunds require perfect paint work results guaranteed to withstand tough conditions, efficiency in detail painting was of the utmost importance (each vehicle will pass the plants three laps before finished). Our solution was a huge state-of-the-art paint facility, with air currents passing from one side to the other (instead of the traditional top-down). The special air solution requires less energy, which allowed us to install smaller aggregates, but simultaneously meet the requirements of air speed.

We also programmed a number of BAE Systems Hägglunds' requested special features into our VPN system (operating system). With the help of these, we can make changes from Pivab today.

Results

Any accurate measurement has not been taken, but BAE Systems Hägglunds is very happy and we know that the new systems will solve the problems encountered before. The employees have been given a new, more efficient and more adapted workplace. The system is enhanced with the latest technology, which guarantees a higher production rate. And the energy consumption has been reduced considerably and will entail significant savings.

MPA MÅLARPRODUKTION AB

Location: Västerås Delivery: 2013 Facility area: 1170m²

Location: Västerås

Delivery: _____

Facility area: _____

PIVAB has delivered:

- Combo booth 56 x 6m dividable into 6 separate paint booths
- 2 Mix rooms
- Paint room

EKERI FINLAND

Ekeri builds trailers for trucks and outside Jacobs Valley in Finland. The company has about 160 employees and is known for products of very high quality.

Problem

Ekeri had problems with recurring operation disruptions on their existing facility and a facility that did not correspond to their work process. Also the recovery operation was substandard.

Solution

In order to solve their problems, we created a complete, customized drive-through combo booth for trucks/trailers. A total of 6x6x20 meters. Mobile (compressed-air powered) work platforms (Wall-man) were mounted on the sides of the booth, providing a better working environment and reducing the risk of injury. Both recycling aggregates were placed on the roof to take advantage of the space optimally and not to take up floor area constituting production space.

Results

Ekeri are very pleased with the results. Since the inauguration of the new plant, they have far fewer operational disruptions and a much better flow. After the work with Ekeri in Finland, we have also worked with Ekeri's painting plant in Raufoss, Norway.

BALTIC BOAT YARD

The boat manufacturer Baltic Boat Yard are located outside Jacobsdal in Finland, and produce some of the world's most exclusive yachts. The boats go only on export, and in particular to the countries on the Persian Gulf.

Problem

This was the big challenge in creating and delivering a painting plant to a company with very high standards of dust-free and proper humidity. A plant with high recovery was also important as the operating costs could not become too high. For us it was, in other words, to show that we and our products meet most extreme requirements.

Solution

With requirements of a stunning paint finish, much air in the facility is Alpha and Omega. Our solution therefore was a customized paint booth with accompanying mix room. When the Baltic Boat Yard had plans to begin producing even longer boats in the future, the new booth was already at the installation prepared for additional rapid expansion.

Results

No measurements are made, but the varnishing complex we delivered have shown good results, and Baltic Boat Yard are very satisfied.

Baticyats.com

FOOTER

THIS IS HOW IT WORKS

Better paint job activities in four easy steps. This is how it goes.

Services & products

Take a closer look at our range of services and products.

Cases

Some of our clients and examples of assignments we have made to them.

Industry news

Information, news, and smart solutions. All the latest all in one place.

Quick contact

Fill out the form if it applies to you. We thank you for your interest and will contact you within a few business days.

1. What type of varnish business does your company run

Engineering industry

Car or truck repair shop

Other

2. Are you starting up or expanding operations

Start-up

Expansion

Other