

# School: Teacher training teachers

**Photo report WS 10 2017 school School Vietnam in early January 2017**

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**1. Introduction:**

The Club WIAP International has brought since 2010 56 apprentices under the dual education system with success through the educational process. There are still 5 apprentices in 3.Lehrsjahr and 11 in the 1st year.

The program has been reworked so that today train the 3rd year apprentices the 1st year apprentices, as instructors in training.

Today the teaching about 1200m / 2 training has - area in 6 rooms à 200 m / 2

Here the decorations:

- space 1a Locksmith, Welder  
Autogen, shielded and electric-welded
- space 1b Plumber Blechbearbeitung  
Shears and folding  
Abrasive grinding performance
- demands Flat and circular grinding
- room 2 Mechanical performance demands  
Turning, milling, drilling
- room 3 Theorieraum
- space 3b Teaching and office meeting

- room 4a material warehouse  
cutting room hardening
- Raum4b Surface finishing,  
Painting, spray booth, sandblasting,  
cleaning
- room 5 Assembly,
- space 6a ElektroaEPARTMENT
- space 6b construction  
Drawing Department,  
Hand, Car Sketch and Inventor

**2. teaching status 09/01/2017**



First meeting on 09/01/2017, left director Bang, 2nd from left Robinson (head teacher of the school) 3.fl coordinator Le Tung Hieu (formerly director engines factory) Rear center chief instructor WIAP program Dai A08, to the right instructor WIAP program Han A04 , far right Hans-Peter Widmer. Photo WS10\_10



On the far left, the two chief instructors WIAP (light green) in the blue Over dresses, E group, instructors in training. Right Green Over dresses, new apprentices G group. Photo WS10\_20



Since the school has 9 rooms; ie 6 parts of the hall, including 3 two-piece, we have 9 Workshop compartments. Thus when testing the exclusive, quiet operation is possible, we have a table provided with self-manufactured benches and chairs in all rooms each. This boy sitting in the room 1 in the welding shop. Photo WS10\_40



On the morning the chief instructors teach (left light green) the instructors in training tests XY01 to XY11 so they can train at noon. Photo WS10\_30



This instructor in training, right, and the two boys left, sitting in painting and surface finishing department 4b room. Photo WS10\_50

**3. state determination of teaching activities at  
10.Januar.2017**



An exclusive tool grinder for 4 grinding wheels as well as diamond wheels was completely contaminated and unpurified in room 2 editing. Photo WS10\_60



This Swiss milling Schaffner everything was rusty on the machine. Without coolant, Emulsion, work is not good, then the rust immediately. And let too long to act the rust eats into the steel, leaving indentations. Room 2 Photo WS10\_80



This valuable, old Swiss lathe Menziken from the canton Aargau was dirty and had no oil on the guides. We almost get tears while looking at the machines - state. Room 2 Photo WS10\_70



Lying around spindles, dirty and messy. Room 1. Photo WS10\_90



The cleaning capacity for heavy parts up to 1500 kg. Messy and dirty. Space 4b. Photo WS10\_100



WIAP safety clamps to the Patent [http://www.wiap.ch/Patent%20Schraubzwinde/Schraubzwinde\\_Patent\\_ch\\_hp01062016.pdf](http://www.wiap.ch/Patent%20Schraubzwinde/Schraubzwinde_Patent_ch_hp01062016.pdf), Lying messed around on pallets and tables. Room 2 Photo 2 WS10\_110.



These traces of too rapid feed will not go away by galvanizing. That must be welded or discard the clamp.

Room 2 Photo WS10\_130



The care during milling is important. What is failed to be re-welded shut and re-made. This is better than to be like that. It's a shame, so throw a vice. But it has to be thrown away before they see Third, if this is not fixed! Room 2 Photo WS10\_120.



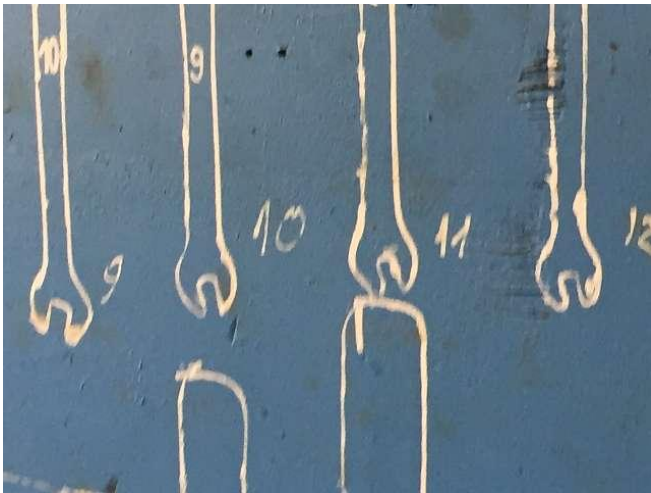
to have known without the 5S System, we have marked all tool stations with color in teaching in the year of 2010. We taught the boys order, as already knew old Swiss training companies from previous years. Room 2 Photo WS10\_130.



This tool trolleys we brought from Switzerland. He was very nice given. But it looks now not look good. This needs to be improved again. Space 4b. Photo WS10\_150



This is the color code with the mold wall number. Discipline in the workshop facilitates working. Especially the young men to learn. This is only possible if the instructors and teachers are a role model. Room 5. Photo WS10\_160



Where are all these tools? In each drawer and everywhere are tools around. Just not where space is provided. Room 5. Photo WS10\_170



The sturdy bench grinder who donated us the company Flükiger Gesenkschmiede of Obernburg. This is a boon to work as compared to the toy grinders that we also have. Room 1. Photo WS10\_180



This Hänggi Swiss guillotine shears is designed for 2 meters plate width, but at least 2 mm thickness. It is robust and resilient for such a harsh climate, as here in Vietnam. Nevertheless, this machine requires a loving care. Machine in space 1b. Photo WS10\_200



This fully automatic surface grinding we bought about 2 years ago in Beinwil am See. They should be properly cleaned, then paint function check, then re. We have seen them run in Switzerland. Get ready to work and not simply leave 2 years! It still depends Swiss plug on cable. But we have everything set up for Schuko plug. This machine was never turned on. Machine in space 1b. Photo WS10\_210



In Switzerland, a lot of material was purchased together. From plant closures and plastic, to do something in prototype can.  
Material in space 4a. Photo WS10\_220



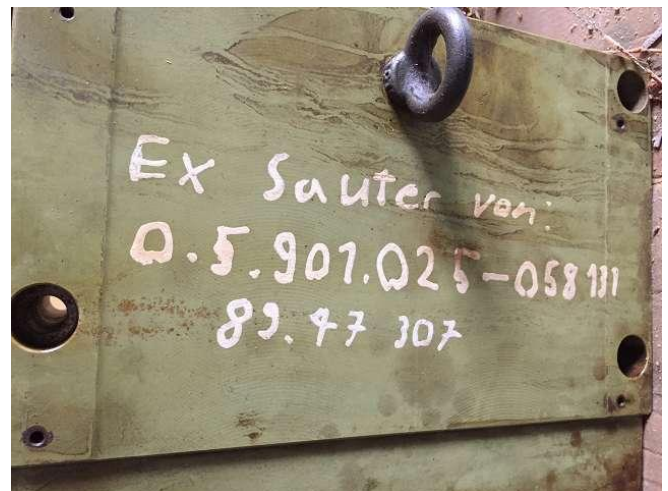
This saw is in Vietnam since of 2010. The blades can not be bought in Vietnam. The we must always bring from Switzerland. Machine in space 4a. Photo WS10\_240



Caption: This has already made Iris Widmer year of 2010. Calls Eternal has been reduced. When the apprentices were seen on the phone during office hours, except during breaks, (Attendance is 07:00 - 09: 00/09: 15 - 11: 00/13: 00 - 15: 00/15: 15 - 17:00 ) had the phones be issued until closing time at the World Headquarters. FotoWS10\_230



This small band saw was the WIAP Switzerland even 2 years ago, because the apprentices often wait for the others had during sawing. Machine in space 4a. Photo WS10\_250



Here a tool drive gear of a Sauter turret, which we mined at a WIAP DM4C machine. Transmission in room 5. Photo WS10\_260



What is wrong in Vietnam? That belt and a lot of plastic in Vietnam crumbled suddenly? Already in measuring equipment Boxes of plastic is simply disintegrate. Hoses Original Festo have crumbled! And some other stuff! Why? Not UV rays! Also in closed places.

Room 5. Photo WS10\_270

**Between Comment:**

**The setting for cleaning. All machines were not well maintained. We really asked us for the 2nd day, it makes a sense to train in Vietnam?**



Although in previous years always a charwoman reingte the toilet, clean it never looked.  
Location: WC behind the space 6. Photo WS10\_280



Why is never cleaned? Location: WC behind the space 6. Photo WS10\_290



Why is there the connection faulty? Photo WS10\_300



Why are wasp nests are not removed? Location: WC behind the space 6. Photo WS10\_310



Wasp nests in the toilet. Location: WC behind the space 6. Photo WS10\_320



The entire facade of the school were repainted about 3 years ago. The costs we have halved the school. Why see in Vietnam building shortly again like that? Is it the quality of work? Or the material? Location: Exterior space 3b. Photo WS10\_330

#### **4. Interim Report:**

Foot fracture Iris Widmer on 13/01/2017 in Thu Duc Saigon. risen from the car, stepped in a hole in the road, and the shoe sole is broken, it broke his foot.



Iris had her shoes, which she always carries in Vietnam in the travel bag in Vietnam. Since 4 years they are stored there. Now a sole run aborted when and Iris has broken his foot. Photo WS10\_340



Iris waits in hospital Bien Hoa. Provinc Dong Nai, on the CT. Photo WS10\_350





Now the CT Scan, Photo: Hospital Bien Hoa. Photo WS10\_360



Here the repeated Beurteilung, even with Doctor Phuc. He was 6 weeks before with us in Switzerland, together with the coordinator Le Tung Hieu and the headmaster Bang. Photo WS10\_390



The doctors assessed the scan. Bien Hoa Hospital. Photo WS10\_370



Now is plastered. Was photographing everything. I learned something. In the Swiss Army, where I as a military medical soldier was time, I often practiced, but it was never real. Photo WS10\_400



Insanely what these Siemens machine everything can there. They turned around the pictures, as when we look at the drawing program Inventor mechanical parts from all sides. No one said anything when I took about 15 pictures. Much more open than we usual in Europe. Bien Hoa Hospital. Photo WS10\_380



To 9:00 we were in the hospital and 10:10 we went out with the "plastered" foot. Compliment and thanks to Vietnam, to the doctors at the hospital,

especially to Doctor Phuc. So quick and easy! Giving money is not allowed, which will monitor the camera. But of chocolate from Switzerland they had great joy. Mr Hieu has this, which we gave him, and took home distributed by him. Bien Hoa Hospital. Photo WS10\_410



At noon Iris is then cared for at school or with hamburger and coffee. The head teacher Robinson she mothered. Photo WS10\_420

**5. Cleanup at school. For the TET Festival, Chinese New Year 2017, Part. 1**

At the end of the 2 day in Vietnam, we have a tour made with all the instructors in training, the apprentices and the chef instructors. Each wrote a separate list of open issues. Each individual, called by me the point was seen on a tour of all the rooms, was written. First, as a draft, then in the space 3a again beautiful. It was also equal to an examination paper which until 20 Plus can give points to the top. The work was very well done. It has then motivated to perform the job well.



Each instructor in the training scored 2 apprentices and allotted a space for a good clean cleaning. Room 2 Photo WS10\_430



This Stuber lathe was with the WIAP last container. It was repainted from green to our university blue. Room 2 Photo WS10\_440



All our conventional lathes can also cut thread. All trapezoidal screws of clamps which have been produced so far, have been made in teaching. Photo WS10\_450



After the Tet festival, the cleaning is again improved. The blue should be clean blue. The water tank in the bed must also be clean. Room 2 Photo WS10\_460



This is the heaviest milling machine, which we have in the training company in Vietnam today. The tool holder is ISO 50. Space 2. Photo WS10\_490

Now sees the Swiss lathe from the canton Aargau Menziken, a lot better. After Tet festival even coolant tray is cleaned down clean and well oiled, the feed can be. Room 2 Photo WS10\_470



The Swiss Milling Schaffner we delivered from the WIAP Switzerland in the teaching. Now the rust is gone. Something like this should not happen! Without emulsion to mill and cool with plain water. Photo WS10\_500

This old Italian lathe has a sliding spindle bearing. This machine was the WIAP from Switzerland to Vietnam. A customer called once from Rothrist. He had this on the top floor and asked us them to take out. Jim and Sven did that. Space 2. Photo WS10\_480



Even the milling manufacturer Starrag still is today one of the leading machine tool manufacturer from

Switzerland. The technique of the old machine is really admire. Room 2 Photo WS10\_510



Only machines often are not enough. Also accessories is a part of a good teaching activities. This is a round table. We have even smaller to also can make gears. Room 5. Photo WS10\_510



The exclusive grinder is again beautiful. Why not now? Photo WS10\_520



Without good can hardly drill be worked. This machine has been in Switzerland for CHF 800. - and may affect as robust Swiss machine Reibo, a good presentation of Switzerland. But come together Which costs, bringing in Switzerland until she is in Vietnam, also with customs clearance and VAT, which is also to be noted. Room 2 Photo WS10\_530



Smaller drills be availed almost daily. Room 2 Photo WS10\_540



Also this second, somewhat smaller, more manageable cylindrical grinder is ideal for grinding hard shafts. It was agreed with the chief instructors that this now be ground definitely. Space 1b. Photo WS10\_580



And here the third drill in training mode. Room 2  
Photo WS10\_550

This pot grinding machine was built for grinding cutter bar. We bought it in Switzerland. The inner table can be rotated to any degree position. The instructors will now grind it, so that they can let the boys do that as well. Space 1b. Photo WS10\_560



This cylindrical grinding machine Studer TUNA we bought Sulzer Zuchwil. Then, when the curing is organized so that can be ground in the 0.001 mm. Space 1b. Photo WS10\_560



The welding table has now been tidied. We have asked, everything always beautiful, ordered to lie. Not everything throw in the drawer, so there exists a hidden disorder. It is to be laid on the table, which is not finished, but nicely out legen. Raum 1a. Photo WS10\_560





Welding shaker tables, 2 such we built in Vietnam. Unfortunately, the welds are not nice that we are the two never nehmen to Europe. We will leave the same table in Europe even calculate and still practice a little welding in Vietnam. Beautiful welding! Since we still have a task ahead of us. Space 1b. Photo WS10\_570



In Ricardo we bought 2 hardening furnaces. We know for a good learn when we think hardships that boys also have much more interest about metallurgy. recognize quality steel. What's Gartenhag iron and what is Topstahl?

In the next few months is practiced: hardening, tempering and annealing, etc. We will continue our training sheets must extend Wi\_8\_f for the issue yet. Room 4a. Photo WS10\_560



In Ebay Germany we have about 4 years ago, a 2 ton trolley found. A forwarder brought them to Switzerland. Finally for CHF 2500 - it was then in Vietnam. But we have there now at least also a 2 ton crane and can machines, thanks to the wheels, lift in every room. Space 1b. Photo WS10\_560



Search Colleagues In Brüetsch Rüeegg, purchased from Bern. One gave up his independence. As we got about 1.2 tons of tool steel. (Most also labeled with an indication of quality, so that the treatment can also be determined whether cure with oil or water, etc). The headmaster Bang with the vice directors came, then straight to Switzerland to visit. We picked up the steel together in Bern. This means that even they have a special relationship to much at school. What is also important for a good team and for mutual understanding. Room 4a. Photo WS10\_565



Beautiful placing material belongs in the curriculum. Whether the new 5S system from Japan, today not only is a night Oppen, a abgucken? That is another question. When I was teaching made at + GF +, we were brought up without 5S, okay everywhere as a must and not just a set! Will we manage to pass on the boys so to prevent it from being forgotten? Space 1b. Photo WS10\_562



Our training company also has the yellow speaker system since the programs began in 2010, built. Unfortunately, with longer stay away from our side, it is always placed so as unimportant aside. It helps for the maintenance of equipment; Cleaning is also included. Even the apprentices themselves can manufacture tin boxes. Actually, the system is far more important than a 5S System. Many more in the depth of a machine and is not just a superficial theory where only the where passes, sees that is fine, but deep in the heart, which is from the outside not visible, even very well maintained. Space 4b. Photo WS10\_566



In painting, space 4b, we wanted, in addition to spraying, and sand blasting. With all small compressors, we often worked only a few hours, then were defective. Therefore we bought in Switzerland a really large, nice compressor. He is ready for use. We only have to make a belt guard, so that no fingers or hands can be separated, at careless handling. We have all the machines for the production of such covers, that's no problem. Space 4b. Photo WS10\_564



This small Sandstrahlanlage which we brought from Switzerland, also needs quite a lot of air, otherwise, instead sandblasted, performed pat just a little surfaces.

Space 4b. Photo WS10\_568



Since the teaching is structured like a small machine factory, a suction in the injection molding is available. Space 4b. Photo WS10\_570



Each machine in teaching has a yellow box. In the box is a maintenance plan. There are many times, depending on the importance of the machine, the V - Visual control plan. Once a year, a full-service is performed. Wipers and everything under the covers will be cleaned. With key equipment but also creates a geometry protocol that fixes the state annually. It is in the e - Service all be cleaned very well. Also deficiencies are remedied. If necessary, order replacement parts and perform repairs in a rework. This maintenance schedule is always with the repeats in the machine and is always on 30.6. collected each year and replaced with the new. The system allows unsolicited quality control to open the boxes and check the papers: When was the last work on the machine was taken? Since the hour hand is in there with the info, it is similar to a service book in a car, which is what is carried out very precisely in Switzerland. The old, completely created plan is scanned and archived; the hard copy stored.



Spray quality is due to the color, which we acquired in Vietnam, not as if we have sprayed with paint from Switzerland. But may be that today, has the new policies with solvent freedoms to do something. Space 4b. Photo WS10\_572

In addition, in the yellow box is the electric - scheme and a Quick Start Guide. In addition, the place where the original instructions is stored is held. Today indeed often electronic, but where? Also in the box is the list of who is allowed to work with the machine, who has been trained. And who can train.

**6. The yellow boxes SystemA concept, which can prolong the machine tool condition in any operating decades, because it is seen deep inside a machine.**

Due to the heavy pollution of our machines could also be recognized that the yellow box program has not performed well enough, which is now made up again. Room 2 Photo WS10\_580



**7. Cleanup at school. For the TET Festival, Chinese New Year 2017, Part. 2**



This WIAP lathe WIAP DM2S would be ready for the final assembly. But since we want to make the teaching more quality today, it may be that we revise this machine from scratch. A new model making, where the new Inventor everything is drawn, so that the boys understand it better. This machine is marked with AutoSketch  
Something distinguished from 3 sides and recognize it, can earlier, the boys not as good today as opposed.  
Room 5. Photo WS10\_582



It does not look nice from the WIAP DM2S machine. It was all rusted and dirty. Room 5. Photo WS10\_584



This is the electrical cabinet of WIAP DM2S. Motors, everything is here. But here we are in the test phase, if not we should do everything for the latest Siemens products, so that the instructors can learn the art of the next generation. Room 5. Photo WS10\_585



This least the theory operation can be continued if in Vietnam the power is turned off some regions during the dry season, a generator is a good thing. The 400 Volt generator was brought from Switzerland and can also be used for drilling. Space 1b. Photo WS10\_590



Old photo from 2012, room 2 WS10\_600. Today it is a machine in the room 5. As this blue machine, only purple. Ready to get ready. Unfortunately, today we have no capacity because this work requires a lot of knowledge. We are in the project, if we take the instructors Leader from Angola to Vietnam for a Supporting - and supplement program. Then also this machine could be made ready. The two instructors Carlo and Yoba from Angola, have volunteered as coordinators also the club WIAP International to participate. There is then the possibility that the two chief instructors in Angola, better their people can also train for our own products. For there is now only oil as the market since, in addition to a little wood industry. Room 2 Photo 2012 WS10\_600



Machine WIAP DM2V make to finish. The sprayed panels were sprayed with paint, which was not good. You must be sanded and sprayed. Room 5. Photo WS10\_620



Machine WIAP DM2V make to finish. The Brown is not rust, only rust protection. Room 5. Photo WS10\_610



One of the most trusted CNC Sinumerik 810T GA2 at WIAP DM2 V machine. If this machine is running, the apprentices CNC turning. And the special thing about it: it operates fully automatically, they may have and watch hands in your pocket. Room 5. Photo WS10\_630



One of the most important departments is the electrical department. Unfortunately, at the time in the background. This needs to be raised to 35% share training mandatory again! Space 6a. Photo WS10\_620



The instructor in training. He has private nor a coffee. He has all Nachpendenzen yet written during the tour before the Tet festival and will this grudge for after the Tet festival. Room 6. Photo WS10\_620



In room 6, the front part is made ready for the training course with the System Inventor and the rear part remains for AutoSketch All trainees have with us hand drawing can. Something simple AutoSketch We now obtain 3 - 5 workstations for Inventor. For these to come by plane, we are used Lap Top fundraising with min. 8Gb Ram, 64 system and good graphics card. Room 6. Photo WS10\_610



Yes, the boys have a little humor .. After Tet festival there are 0.2 negative points for not Ragen of safety shoes. Also not wearing the goggles or Over dresses are minuses. We choose only 0.2 points minus, so the Negatives not overtake the Pros! Half a day is missing is a downside, tardiness more than 5 minutes 0.2 points. If one leaves a machine unpurified 1 point minus. (The where she cleans, 1 point increase) That is, 4 new sections in the 12-sided qualification - and marks list. Space 4b. Photo WS10\_630

## 9. Before the Tet party for trainees



We have to 15: 00h started, let all apprentices and instructors a sack of money to give, so they are a little motivated. The joy was great. The respect of the boys against us is very high. Space 3a. Photo WS10\_640



Cosy be together. Photo room 3a WS10\_650



Interesting. We bought at the request of the boy 1 Box beer, 1 Box Cola and 1 box energy drink. The

alcohol urge is more on slimming which is not bad. Space 3a. Photo WS10\_660



Almost a little naughty, like the boys look like, but you laugh, that's the main thing. Of the last 54 apprentices have from all groups can take some points in Japan. That is also what they learned from us, the Japanese can really use! Space 3a. Photo WS10\_680



Here, our Koordintor Le Tung Hieu, all apprentices with a nice toast Tet, respectively. Happy new year wish. Space 3a. Photo WS10\_690



Even before the celebration at the end we have discussed with the director of the Bang WIAP exchange program. We will try to organize not only the teaching Vietnam, but also in other places, so that we can replace the instructors. The motivation will be a motor, so that discipline, cleanliness and good learning as work, more interest will. Director Bang is 2 doubles nicely herrichten at school. We are at best a little support that it is really nice also. With coffee machine, microwave, hot plate, TV, air conditioning, fridge, nice shower and nice toilet. So the external instructors bosses to place in Vietnam like love. Space 3a. Photo WS10\_700



On the way back to our accommodation, we trust the eyes, almost like in a Swiss mountain village, cows in the middle of the Stasse. 38 km from Saigon away! On the way to our accommodation. Photo WS10\_700



Yes, not only a cow, a whole herd! Return school property 13:01:17. Photo WS10\_710

### Closing remarks:

The first impression of the teaching visit was almost frightening. Only after passing through all and make a list of open issues, then causes it has 3 days later looked much nicer. Clear findings are useless if only the top people are always at the table " BLAH " make. It all must be involved, then it goes and it is a sensational organization. Only thanks to that the boys showed it can go, we believe that it is. But the management of the school, the instructors are very important. You need to consider before visiting us what they want, be one of the best training companies, or simply a Solala operation?

So we expect a plan of Dai, Han, Robinson and director Bang, how they want to organize. Very important to stick together, be a team that is the key.

What we do not want is that the boy will be treated with around screaming and around commands that they run away, that we have within 3 months 5 apprentices less. It requires respect, even to the boy. Not only cleaning, but a good plan to make it even like boys. The yellow box system would include, because only once a machine in needs to be cleaned well and not everything comes at once.

The Vietnam teaching should be a model company. We will see if we can find in Switzerland variants that good apprentices are allowed to make in Swiss companies according to the teaching, a Nachpraktikum. If so many boy may of our teaching program to Japan, why not in Switzerland?

Such variants help that the boy even more motivated,  
every Monday morning like to come into the teaching  
and not want to go home on Friday!

End Phto report HPW\_iw 14012017