



The Tsarina Imperial Dacha Company Ltd

Registered in Scotland: SC322344

Log Cabin, Log Homes and Log Buildings/Structures

The Natural, Eco and Environmentally Friendly and Energy Efficient Way to Build.

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Pinclanty Forest Learning Trail Cabin for Children with a focus on Disadvantaged Children

WE ARE DESIGNERS, MANUFACTURERS AND BUILDERS OF LOG CABINS, LOG HOMES, HOLIDAY LOG CABINS AND OTHER LOG STRUCTURES FROM MACHINE ROUNDED SOLID LOG.

FURTHER DOWN, YOU WILL SEE SOME PICTURES OF THE CABINS THAT WE CAN OFFER, ALTHOUGH EACH AND EVERY CABIN OR LOG HOME IS BESPOKE AND DESIGNED TO OUR CLIENTS SPECIFICATIONS.

ALL OUR CABINS ARE MADE FROM GREEN TREE (FRESHLY FELLED TREE), GROWN AND HARVESTED IN SCOTLAND (MAINLY AYRSHIRE). ALL WALLS HAVE A MINIMUM THICKNESS OF 15CM AND WITH THE OPTION OF 20CM OR 30CM DEPENDING ON THE USE OF THE CABIN OR HOW THE CLIENT WOULD LIKE IT TO LOOK. WE SUPPLY EITHER CABIN SHELLS CONSISTING OF WALLS, JOISTS AND ROOF PURLINS/RAFTERS OR A COMPLETE HOUSE CONSISTING OF WALLS, FLOORBOARDS, JOISTS, ROOF, DOORS AND WINDOWS. WE CAN ALSO UNDERTAKE TO INSTALL THE FOUNDATIONS, ELECTRICS AND PLUMBING AT EXTRA COST.



1 ½ STOREY 2 BEDROOM LOG HOME WITH CLAY TILE ROOF.

THE ADVANTAGES OF A LOG BUILDING ARE NUMEROUS, MANY OF WHICH FAR OUTWEIGH THE BENEFITS OF A NORMAL TIMBER FRAMED HOUSE. SOME OF THESE ADVANTAGES INCLUDE AND NOT LIMITED TO:

- 1. FAR SUPERIOR THERMAL PROPERTIES THAN BRICK OR TIMBER FRAMED HOMES.**
- 2. IN THE EVENT OF A FIRE A LOG CABIN WILL NOT BURN LIKE A TIMBER FRAME HOUSE, BUT WILL IN FACT ONLY CHAR DUE TO THE SHEER MASS OF THE LOGS THEMSELVES. THIS IS AN OBVIOUS SAFETY FEATURE WHICH HAS A HUGE ADVANTAGE OVER TIMBER FRAMED HOUSES.**
- 3. OUR CABINS ARE NOT LIKE THE THIN WALLED IMPORTED KITS THAT ARE CURRENTLY AVAILABLE ON THE UK MARKET, AND WHICH HAVE AN AVERAGE LIFE SPAN OF 10 YEARS IF NOT MAINTAINED, OR 25 IF MAINTAINED. OUR CABINS, IF MAINTAINED CORRECTLY CAN LAST IN EXCESS OF 150 YEARS OR MORE, SO THEY ARE ALSO AN EXCELLENT INVESTMENT. THERE ARE MANY EXAMPLES OF SOLID LOG CABINS IN SCANDINAVIA, EASTERN EUROPE, AMERICA, CANADA AND ALASKA THAT ARE 300 YEARS OLD AND MORE, WHICH IS OLDER THAN SOME OF OUR CASTLES IN THE UK. THE OLDEST LOG CABIN IN THE WORLD IS 900 YEARS OLD AND IS IN NORWAY AND STILL IN USE (NOT BY THE ORIGINAL BUILDERS THOUGH).**
- 4. LOG CABINS HELP FIGHT GLOBAL WARMING, AS THE DANGEROUS CARBONS THAT GO TOWARD CAUSING GLOBAL WARMING ARE TRAPPED WITHIN THE CELLS OF THE TREE'S THAT THE CABIN IS BUILT FROM, AND AS MINIMUM OF PROCESSING IS CARRIED OUT ON THE TREE, THESE CARBONS REMAIN TRAPPED IN THE MASS OF THE LOG. EVERY TIME TIMBER IS CUT, IT NOT ONLY RELEASES THESE CARBONS INTO THE ATMOSPHERE, AND EVERY CUT AT A SAWMILL REQUIRES ENERGY. SO BUILDING WITH LOGS MAKES SENSE WHEN CONSIDERING HELPING TO REDUCE CARBONS IN THE AIR AND CONSERVE ENERGY.**
- 5. AN AVERAGE SIZED LOG CABIN USES LESS TREE'S THAN A SAME SIZED TIMBER FRAMED HOUSE, AND THIS IS DUE TO THE REDUCED AMOUNT OF TREE'S REQUIRED THROUGH PROCESSING TO PRODUCE THE BUILDINGS, THIS IN TURN CONTRIBUTES TO REDUCING CARBON EMISSIONS PRODUCED THROUGH MANUFACTURING PROCESSES INVOLVED IN PRODUCING OTHER TYPES OF CONSTRUCTION AND MATERIALS. AND AGAIN THE ENERGY SAVED BY USING LOGS RATHER THAN MILLED TIMBER IS QUITE SUBSTANTIAL PER CONSTRUCTION.**

6. TREE'S ARE A RENEWABLE RESOURCE, NATURAL AND AN ENVIRONMENTALLY FRIENDLY BUILDING MATERIAL. LOG CABINS WILL BLEND IN WITH ANY ENVIRONMENT DUE TO BEING BUILT FROM A TOTALLY NATURAL MATERIAL. ALL OUR CABINS ARE BUILT USING 100% NATURAL MATERIALS WITH THE MINIMUM OF PROCESSING.
7. LOG CABINS AND HOMES ARE A LOW COST WAY OF ACHIEVING A FAR SUPERIOR BUILDING OVER A TIMBER FRAMED CABIN OR HOME.
8. LOG CABINS ARE ESTHETICALLY PLEASING TO THE EYE, AND HAVE A NATURAL TENDENCY TO RELAX A PERSON LIVING INSIDE, IN A WAY SIMILAR TO CERTAIN COLOURS AFFECT ONES MOOD.
9. THERE IS NO LIMIT TO THE SIZE OF CABIN OR HOME, AS THE LOGS CAN BE EASILY JOINTED FOR LARGER BUILDINGS.



CHILDREN'S PLAY HOUSE



**1 ½ STOREY 3 BEDROOM
LOG HOME WITH CLAY TILE ROOF.**

10. LOG CABINS AND HOMES ARE EXTREMELY ENERGY EFFICIENT AND RESULT IN SIGNIFICANT SAVINGS IN COST'S WHEN IT COMES TO KEEPING THEM WARM. THIS IS DUE TO THE NATURAL STRUCTURE OF WOOD WHEREBY THE CELLS OF THE WOOD ACT AS SMALL POCKETS OF AIR WHICH RETAIN STORE WARMTH DURING WARM PERIODS, AND THEN EMIT THE STORED WARMTH DURING COLD PERIODS. YOU WILL FIND YOUR CABIN WARM IN WINTER AND COOL IN THE SUMMER AND YOUR HEATING BILLS WILL BE GREATLY REDUCED AS LESS ENERGY IS REQUIRED TO HEAT THEM AND KEEP THEM WARM. THE LOWER ENERGY DEMANDS CONTRIBUTE TO HELPING REDUCING CARBON EMISSIONS.
11. WE CAN BUILD A LOG CABIN OR LOG HOME AT A FAR CHEAPER PRICE THAN A CONVENTIONAL TIMBER FRAME CABIN OR HOME OF THE SAME SIZE.
12. WE OFFER A CHOICE OF COMPLETE CABIN OR SHELL, SUBJECT TO YOUR BUDGET AND REQUIREMENTS.
13. WE GUARANTEE OUR CABINS FOR A MINIMUM OF 25 YEARS AGAINST FAULTY WORKMANSHIP. HOWEVER, IT SHOULD BE NOTED THAT AS THE TIMBER DRIES IT MAY CRACK, BUT THIS IS A TOTALLY NATURAL PROCESS AND IS NOT CLASSED AS A FAULT. THE CRACKS THEMSELVES WILL NOT TRAVEL ALL THE WAY THROUGH THE LOG, BUT WILL STOP AT THE HEART OF THE LOG, BUT USING SPECIAL TECHNIQUES WHEN CONSTRUCTING, WE MINIMIZE THIS CRACKING (CHECKING) AND ENCOURAGE IT TO OCCUR WHERE IT IS OUT OF SIGHT. HOWEVER, THESE CRACKS WILL ALSO ADD CHARACTER TO THE CABIN OR HOME.
14. BUILDING WITH GREEN LOGS MEANS THAT FOR THE UP TO 2 YEARS AFTER COMPLETION, YOUR CABIN WILL SHRINK AND SETTLE WHILE THE TIMBER DRIES OUT. THIS IS NORMAL AND TAKEN INTO CONSIDERATION WHEN BUILDING WITH ALLOWANCE'S MADE FOR THIS WHEN INSTALLING DOOR OPENINGS, WINDOW OPENINGS, ROOF AND INTERNAL STAIRS (IF FITTED). YOU CAN EXPECT YOUR CABIN OR HOME TO LOSE ABOUT 2% OF ITS ORIGINAL HEIGHT (ABOUT 1 TO 2 ½ INCHES DURING THIS PROCESS UNTIL THE TIMBER MOISTURE CONTENT HAS STABILIZED.
15. USING GREEN TIMBER HAS THE ADDED ADVANTAGE OF ALL JOINTS SHRINKING TO AN EVEN STRONGER AIR TIGHT FIT AS THE LOGS DRY OUT. HOWEVER, BECAUSE WE USE GREEN LOG, THE CABINS WILL DRY OUT TO A STAGE WHERE THEY STABILIZE WITH THE ENVIRONMENT AND CLIMATE THAT THEY ARE BUILT IN, THIS IS A HUGE ADVANTAGE OVER KILN DRIED TIMBER AS THIS ALLOWS THE TIMBER TO RESIST CRACKING AND WILL ALLOW IT TO BREATHE NATURALLY IN A CLIMATE THAT IT IS USED TO RATHER THAN ABSORB WATER LIKE KILN DRIED TIMBER WOULD DO, AND ABSORBING WATER WOULD CAUSE THE TIMBER TO SWELL, CAUSE JOINTS TO MOVE

AND LOSE THEIR SEALING PROPERTIES, AND WILL ALSO PROMOTE EXCESSIVE CRACKING IN THE KILN DRIED TIMBER AND FURTHER PROMOTE ROT WITHIN THE TIMBER ITSELF. WATER IS THE MAIN ENEMY OF WOODEN STRUCTURES, AND THEREFORE MAINTENANCE IS AN IMPORTANT FACTOR. OUR CUSTOMERS ARE ALL INFORMED OF THE ROUTINE MAINTENANCE REQUIRED FOR A LOG BUILDING, WHICH IS NOT ONLY LOW COST, BUT QUICK AND EASY TO CARRY OUT. KILN DRIED TIMBER ALSO CONSUMES A VAST AMOUNT OF ENERGY TO DRY THE TIMBER, SO AGAIN BY USING GREEN TIMBER LOGS TO CONSTRUCT WITH WE ARE HELPING REDUCE CARBON EMISSIONS AND SAVE ENERGY AT THE SAME TIME.

16. THE CABINS ARE CONSTRUCTED IN SUCH A WAY SO THAT IF SOMETIME IN THE FUTURE YOU WISHED TO RELOCATE, YOU COULD IN FACT DISASSEMBLE YOU LOG CABIN OR HOME AND TAKE IT WITH YOU. THIS WOULD BE A GREAT ADVANTAGE IF YOU WERE INTENDING TO MOVE TO A PIECE OF GROUND THAT IS UNDEVELOPED ON, AND YOUR HOME WOULD ACCOMPANY YOU. THIS ALLOWS YOU A GREATER CHOICE OF LOCATIONS TO BUY WITH A MINIMUM COST INVOLVED.



PICTURES OF CABIN BUILDING IN PROGRESS – BEING BUILT OFF SITE, CABINS WILL BE COMPLETED, THEN DISMANTLED AND SHIPPED TO SITE WHERE THEY WILL BE REASSEMBLED AND FITTED OUT.

17. THE 2 MAIN FACTORS THAT CAN DAMAGE A LOG CABIN OR LOG HOME IS POOR FOUNDATIONS OR WATER DAMAGE. THESE ARE THE MOST IMPORTANT FACTORS WE TAKE INTO ACCOUNT WHEN DESIGNING AND BUILDING YOUR LOG CABIN OR LOG HOME, SO YOU CAN REST ASSURED THAT THEY HAVE BEEN BUILT TO THE HIGHEST SPECIFICATION.
18. WE OFFER AN AFTERCARE SERVICE WHEREBY WE WOULD ATTEND YOUR PROPERTY ONCE OR TWICE A YEAR FOR MAINTENANCE OF THE TIMBER TO ENSURE THAT THE WATER REPELLANT (NON-TOXIC AND ENVIRONMENTALLY FRIENDLY AGENTS THAT WE USE) ARE STILL WORKING AS THEY SHOULD, AND IF THEY ARE NOT, THEN WE WOULD RE-TREAT THE TIMBER. ALL OUR TREATMENTS ARE WATER BASED REPELLENTS, AND ARE NON TOXIC TO MAN, PETS, WILD ANIMALS OR THE ENVIRONMENT. WE ALSO OFFER A CHOICE OF COLOURS SHOULD YOU WISH TO NOT HAVE THE NATURAL COLOR OF THE WOOD SHOWING.
19. WE ONLY USE QUALIFIED EXPERIENCED LOG BUILDERS IN OUR CONSTRUCTIONS.
20. LESS WASTE IS PRODUCED THROUGH PROCESSING WHEN BUILDING A LOG CABIN OR LOG HOUSE.
21. OUR LOG CABINS AND LOG HOMES ARE A LONG TERM INVESTMENT RATHER THAN THE SHORT TERM INVESTMENT INVOLVED IN AN IMPORTED KIT LOG CABIN.
22. LOG CABINS AND LOG HOMES COST FAR LESS TO HEAT, AND THEREFORE MORE ENERGY EFFICIENT THAN CONVENTIONAL TIMBER FRAMED HOUSES.
23. THE INTERNAL WALLS DO NOT REQUIRE CLADDING OR FURTHER INSULATION DUE TO THE THICKNESS OF LOG THAT WE USE IN BUILDING. YOU THEREFORE HAVE A TRUE LOG CABIN, WITH LOG ON THE OUTSIDE AND LOG ON THE INSIDE. LOG CABINS AND LOG HOMES ARE USED IN THE ARCTIC CIRCLE IN NORWAY, FINLAND, RUSSIA, AND IN ALASKA AS TRADITIONAL RESIDENTIAL PROPERTIES WITHOUT ADDITIONAL INSULATION, AND THESE USE LESS ENERGY TO HEAT AND KEEP WARM THAN RESIDENTIAL HOMES HERE IN THE UK.
24. INTERNAL WALLS CAN BE EITHER SOLID LOG INSTALLED DURING CONSTRUCTION, OR PARTITION WALLS INSTALLED AFTER CONSTRUCTION, DEPENDANT ON CUSTOMER REQUIREMENTS.



Interiors which show the beauty and warmth of wood.

25. ALL LOGS CAN BE PRE-DRILLED DURING CONSTRUCTION TO ALLOW FOR ELECTRICAL CABLE INSTALLATION, OR ELECTRICAL CABLE CAN BE INSTALLED DURING CONSTRUCTION, AGAIN DEPENDANT ON YOUR REQUIREMENTS.
26. YOU CAN HAVE A LOG CABIN OR LOG HOME OF YOUR OWN DESIGN, AND WE WOULD BE HAPPY TO ASSIST YOU IN THIS WITH ADVICE AND EXPERTISE SO THAT YOUR FINAL DESIGN PLAN MEETS

YOUR REQUIREMENTS.

- 27. WE BUILD WITH NORWEGIAN SPRUCE, LARCH, DOUGLAS FIR, SITKA SPRUCE, LODGEPOLE PINE AND OTHER CONIFERS, SO YOUR CHOICE OF WOODS AND THE VARIATIONS OF THE NATURAL COLOURS OF THE LOGS ALLOW YOU A WIDE CHOICE, HOWEVER, BASED ON THE USE AND LOCATION OF THE CABIN WE WOULD ADVISE WHICH SPECIES WOULD BE MORE SUITABLE FOR YOU, ALTHOUGH THIS WOULD NOT LIMIT YOU TO THAT SPECIES.**

WHEN DECIDING YOUR LOG CABIN, ONE MUST CONSIDER LOCATION, PURPOSE (PERMANENT OR TEMPORARY RESIDENCE) GENERAL CLIMATE FOR AREA AND ROOF FINISH (WOODEN CLINKER TILES, CLAY TILES OR SHEETING ETC). WOODEN CLINKER TILES, ALTHOUGH EXPENSIVE AS THEY ARE HAND MADE, CAN LAST APPROX 50 TO 70 YEARS BEFORE HAVING TO BE REPLACED. THE MOST IMPORTANT FACTOR WILL BE THE CHOICE OF FOUNDATION TYPE, AND WE WILL BE HAPPY TO DISCUSS THIS WITH YOU AND ADVISE WHAT WOULD BE BEST FOR YOUR CABIN OR HOME. ANOTHER FACTOR TO CONSIDER IS WHETHER TO HAVE A SINGLE STOREY OR A 1 AND 1/2 STOREY CABIN OR HOME. THIS WOULD UTILIZE THE ROOF SPACE AS A SLEEPING AREA ALLOWING YOU AS MUCH LARGER LIVING AREA. ALWAYS REMEMBER THAT YOU LOG CABIN OR LOG HOME WILL ONLY BE AS GOOD AS THE FOUNDATIONS THAT IT IS BUILT ON, SO THE FOUNDATIONS ARE ONE OF THE MAJOR FACTORS TO TAKE INTO ACCOUNT WHEN BUILDING. WE ALSO OFFER MANY EXTRAS FOR YOUR CABIN SHOULD YOU WISH TO INCORPORATE THEM, AND WE WOULD BE HAPPY TO DISCUSS THEM WITH YOU.

ON THE FOLLOWING PAGES YOU WILL SEE SOME IDEAS OF SOME OF THE CABINS THAT WE OFFER, BUT DO NOT LET THESE PLANS LIMIT YOUR CHOICE. WE CAN BUILD TO YOUR OWN PLANS AND DESIGNS SO THERE IS NO LIMIT OF HAVING YOUR DREAM CABIN OF YOUR OWN DESIGN. THERE ARE ALSO SOME PICTURES OF CABINS INVOLVING THE CONSTRUCTION AND SOME OF THE CONSTRUCTION PROCESS.

WE ALSO BUILD CHILDREN'S LOG PLAYHOUSE CABINS AND PLAY EQUIPMENT, SO IF YOU'RE LOOKING FOR A FAMILY CABIN, WHY NOT COMPLEMENT IT WITH ADDED FACILITIES FOR YOUR CHILDREN.

OUR PRICES VARY ACCORDING TO CABIN, SIZE, PURPOSE OF CABIN (PERMANENT OR TEMPORARY RESIDENCE), ROOF MATERIAL AND FINAL FINISHING AND EXTRA'S AS PER CUSTOMER REQUIREMENTS. WE WOULD BE HAPPY TO DISCUSS YOUR NEEDS WITH YOU AND RECOMMEND WHAT WOULD BE THE MOST SUITABLE CABIN TO SATISFY THESE NEEDS AND THEN FURNISH YOU WITH A QUOTE FOR YOUR DREAM LOG CABIN OR LOG HOME.

IN SUMMARY, LOG CABINS AND HOMES ARE BUILT FROM NATURAL RENEWABLE RESOURCES. ENERGY EFFICIENT, LOW COST TO BUILD, LOW COST TO MAINTAIN, ENVIRONMENTALLY FRIENDLY, PRODUCE LESS WASTE DURING BEING PROCESSED AND BUILT, ASSEMBLED USING ONLY NATURAL MATERIALS ALL OF WHICH CONTRIBUTE TOWARD LOWERING CARBON EMISSIONS AND SUBSEQUENTLY AID IN THE FIGHT AGAINST GLOBAL WARMING, ON TOP OF THAT, A LOG CABIN OR LOG HOME WILL BLEND IN WITH ANY ENVIRONMENT THAT IT IS SITED, BE IT CITY, TOWN, VILLAGE, COUNTRYSIDE OR FOREST. WHAT MORE COULD YOU ASK FOR, AND TOP OF ALL THAT, YOU WOULD BE HELPING TOWARD REDUCING CARBON EMISSIONS AND SAVING ENERGY AND COST, BOTH AT A PERSONAL AND GLOBAL LEVEL.

EACH DACHA CONSTRUCTION CAN BE ADAPTED FOR A MULTITUDE OF USES WHICH INCLUDE, AND NOT LIMITED TO:

- 1. GARAGE WITH UPSTAIRS OFFICE**
- 2. GARDEN OFFICE**
- 3. SUMMER HOUSE**
- 4. SAUNA**
- 5. FOREST CABIN**
- 6. ANIMAL HIDE/OBSERVATION HIDE**
- 7. ANIMAL HOUSING**
- 8. STORE CABIN**
- 9. ORNAMENTAL**
- 10. SHELTER**
- 11. CLUB HOUSE**
- 12. CHILDREN'S HIDE**
- 13. HOLIDAY CABIN**
- 14. GUEST ACCOMMODATION**
- 15. FEED STORE**
- 16. FIRE WOOD STORE**
- 17. ENHANCING LANDSCAPE AND SCENERY**
- 18. SMALL SHOP OR COMMERCIAL PREMISES**
- 19. HUNTING LODGE**
- 20. FISHING LODGE**

21. GRANNY CABIN



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Solid Machine Rounded Log





