HELLO,
WE ARE
PL4D

WE ARE A MULTIMEDIA AND ADVERTISING AGENCY, DIGING AND INVENTING CREATIVE SOLUTIONS WITH LATEST TECHNOLOGIES.

WE SEEK OUT AND CREATE CREATIVE SOLUTIONS TO BENEFIT BUSINESSES.

WWW.PL4D.NET

MOBILE TECH AND MARKETING
SERVICES

WE ARE UNIQUE, TECHNOLOGY-ORIENTED SOFTWARE HOUSE. INTERACTIVE TECHNOLOGY, TOUCHSCREEN APPLICATIONS AND COMPUTER GAMES. EVERYTHING RELATED TO POST-PRODUCTION AND ENHANCED REALITY.
BEACONS

Beacons are small devices placed in vast places, for instance: shopping centres, galleries, hospitals, parkings, cities, etc. These devices create a virtual map of the place they are put in what enables us to easily reach any spot in the object.

Based on beacon technology we provide indoor location, exhibits’ and events’ navigation and contextual info including augmented reality elements, dynamic guided tours and more. Beacons send signals to phones via Bluetooth which can start apps as well as push notifications.

Thanks to that people who attend events, conferences, galleries or shops can get information depending on where they are at that particular moment.

WHAT WE DO

Provide complex beacons installation process at your location
Create apps that are compatible with beacons
Create virtual map
Prepare push systems on the basis of direction recognition
Provide service and care of the system
Provide reports and analysis in real-time

Indoor Navigation
Our systems display a virtual map of the space, making our current position. It automatically recognizes the direction in which we are headed and displays the map in real time.

Wayfinding
After choosing the matter that we have to deal with or the destination that we want to reach, the application automatically maps the route on the basis of our current location.

Accessibility
We create maps of public buildings, shopping malls, train stations, airports, etc., to make them easier to navigate to the vision impaired, disabled and elderly people.

Context & Location Awareness
Our systems can engage with users in real time providing information related to their exact location.

Remote Control Integration
Our system enables remote control of objects connected to the electronic grid and integration with existing in-house services.

Real-Time Reporting & Analytics
Our system allows to collect and analyze users data in real time, providing patterns and connections between their actions.

Traffic Measurement
The system provides timely metrics to increase operational effectiveness and improves strategies.
Our company provides augmented reality based solutions for mobile devices, websites and big screens. We link the real world with reality generated by the computer, creating unique sales and marketing tools for your product.

Thanks to our technology, your advertising message can never be boring or static - it draws the viewer in and encourages him/her to have fun and interact with it.

SCOPE OF OUR SERVICES
CREATIVE CONCEPT / SUPPORT AT THE DESIGN STAGE
IMPLEMENTING THE CONCEPT ON CLIENTS SELECTED ADVERTISING MEDIUM / APPLICATION DEVELOPMENT
RENTAL OF EQUIPMENT NEEDED TO DISPLAY THE APPLICATION (TOUCH SCREENS, MULTI-TOUCH TABLES)
TECHNICAL SUPPORT FOR THE DURATION OF THE PROJECT / PROJECT COORDINATION
VIRTUAL REALITY

WE PROVIDE CUTTING-EDGE TECHNOLOGIES FOR VIRTUAL REALITY USING THE BEST AVAILABLE RENDER ENGINES TO FULFILL HIGH EXPECTATIONS OF OUR CLIENTS. OUR EXPERIENCE IN BUILDING IMMERSE CONTENT BOTH IN UNREAL AND UNITY 3D ENGINES LET US TO INTRODUCE EVEN COMPLEX INTERACTIVE SCENARIOS WITHIN THE APPLICATIONS.

REAL-TIME RENDERING WE USE ALLOWS TO FULLY EXPLORE VIRTUAL WORLDS, WIDE FIELD OF VIEW CREATE UNFORGETTABLE EXPERIENCES, STEREO DEPTH PERCEPTION MIRROR THE WAY WE VIEW THE REAL WORLD AND ENABLES TO EXPLORE AMAZING VIRTUAL LOCATIONS.

SCOPE OF OUR SERVICES

WE DEVELOP THE APPLICATION/GAME SCENARIOS FOR OCULUS RIFT / CARDBOARD / SAMSUNG GEAR
WE CREATE THE LOGIC AND GRAPHIC IN UNITY 3D OR UNREAL ENGINES
WE PROVIDE THE GAME/APPLICATION FOR VARIOUS PLATFORMS
HARDWARE RENTAL
PROVIDE REPORTS AND ANALYSIS IN REAL-TIME

WE USE UP TO 12 CAMERAS TO SHOOT OUR FOOTAGE IN STEREO SCOPIC 3D SO YOU CAN HAVE 360 DEGREES FIELD OF VIEW!

FEEL FREE TO CONTACT US IF YOU HAVE MORE QUESTIONS ON THE OCULUS RIFT SOFTWARE DEVELOPMENT.

WE CREATE VIRTUAL WORDS ALONG WITH OUR CLIENTS TO FULLY SUIT OUR TECHNOLOGY TO THEIR EXPECTATIONS.
INTERACTIVE EVENTS

WE CREATE UNFORGETTABLE EVENTS USING THE MOST INNOVATIVE AND CUTTING EDGE TECHNOLOGIES: AUGMENTED REALITY AND MOTION/TOUCH/GESTURE CONTROL. WE ARE PIIONEERS IN USING NFC AND MOBILE DEVICES WHICH INCREASE THE INTERACTIVITY OF EVERY EVENT. BY COMBINING OUR KNOW-HOW AND EXPERIENCES OF OUR INTERNATIONAL PARTNERS WE PROVIDE OUR CUSTOMERS WITH UNIQUE AND EFFECTIVE SOLUTIONS.

THE TECHNOLOGIES WE USE FEATURE:
- Augmented reality presentations with 3d objects generated in real time
- Dedicated and non-linear presentation / information applications
- Presentations operated using motion / touch / gesture control
- Registration and information systems based on nfc technology
- Mobile systems allowing user interaction (live surveys and questions from the audience, scanning augmented reality markers)

SCOPE OF OUR SERVICES
- CREATIVE CONCEPT / SUPPORT AT THE DESIGN STAGE
- IMPLEMENTING THE CONCEPT
- COORDINATING PREPARATIONS FOR THE EVENT
- FULL TECHNICAL SUPPORT DURING THE EVENT
INTERACTIVE APPS

Our applications based on systems of infrared sensors and motion control technology allow the software to interactively "follow" passers-by within the device's range of operation. For instance, it is possible to display on the screen an advertising message above the head of a person walking by (e.g. in a speech bubble).

It is a unique form of non-volitional marketing where the passer-by involuntarily becomes a part of the advertising content.

Motion activated campaigns from the unique Touch-E Motion Series allow to reach clients in an interactive way and are much more efficient than printed advertising materials.

GESTURE CONTROL

Gesture control solutions help operate data displayed by the computer using gestures, i.e. without the need to touch the monitor or the keyboard. Touch-E gesture system developed by Lemon&Orange IT team allows to promote various products and services in the sales office as well as during fairs and promotional events.

SCOPE OF OUR SERVICES

Creative concept / Support at the design stage
Implementing the concept on client's selected advertising medium / Application development
Rental of equipment needed to display the application (touch screens, motion sensors, seamless display walls, LED monitors, interactive totems)
Technical support for the duration of the project / Project coordination
MULTI-TOUCH APPS

Using a unique Touch-E Pro technology, we create applications dedicated for touch screens. They can serve as sales support during promotional events, on fairs or in the client’s office.

Touch-E Pro has a multi-touch interface and as one of the most efficient and modern advertising tools allows the users to quickly learn about the promoted product or service in an interesting and engaging way.

Our technologies used on multi-touch screens make it possible to explore the displayed content in a fascinating way e.g. turn 3D models of products around or configure them in a chosen way. The user can also obtain technical information included in the electronic version of the offer.

Touch-E Pro increases users involvement, inspires them to interact with the product and encourages them to share their needs using simple, intuitive solutions.

SCOPE OF OUR SERVICES

Creative concept / Support at the design stage
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Technical support for the duration of the project / Project coordination
MOBILE APPS

WE DEVELOP UNIQUE, CUSTOM MADE MOBILE APPLICATIONS MATCHING OUR CLIENTS BUSINESS STRATEGIES. OUR LONG EXPERIENCE ENSURES THAT EVERY IMPLEMENTED PROJECT BECOMES AN IMPORTANT VALUE ADDED FOR THE CLIENT AND PROVIDES EFFECTIVE AND MEASURABLE TOOLS WHICH ALLOW TO VERIFY THE EFFICIENCY OF THE DESIGNED APPLICATIONS.

HOW WE WORK

SETTING THE GOALS (OUR EXPERTS WILL HELP YOU BUILD A CLEAR VISION OF YOUR APPLICATION AND SPECIFY THE CATEGORIES OF ITS FUTURE USERS)

PLANNING AND PROTOTYPING - AFTER CREATING A ROADMAP FOR THE PROJECT, WE PROVIDE OUR CLIENTS WITH A TIMETABLE AND MILESTONES REGARDING SOFTWARE DEVELOPMENT.

IMPLEMENTATION AND TESTING (OUR IT TEAM GUARANTEES THAT AFTER THE DEVELOPMENT AND TESTING PHASE YOUR APPLICATION WILL BE READY TO USE. WE ARE IN CONSTANT CONTACT WITH THE CLIENT AND THE ENTIRE PROCESS CAN BE MONITORED)

ANALYSIS AND OPTIMIZATION ( AFTER COMPLETING THE WORK ON SOFTWARE LEMON&ORANGE WILL HELP YOU PUBLISH THE APPLICATION E.G. IN APPSTORE OR GOOGLE PLAY WE WILL ALSO HELP DEVELOP YOUR PRODUCT IF IT NEEDS AN EXTENSION)
HARDWARE RENTALS

WE PROVIDE HARDWARE RENTAL AND SELLING SERVICES FOR THE FOLLOWING:

SEAMLESS MONITORS
INTERACTIVE KIOSKS / TOTEMS
MULTI-TOUCH MONITORS / TABLES

SEAMLESS MONITORS
WE PROVIDE 46” SEAMLESS MONITORS WHICH CAN BE JOINED TOGETHER SINCE THEY DO NOT HAVE FRAMES LIKE ORDINARY LCD TELEVISIONS.
WE CAN CREATE A DISPLAY WALL OF ANY SIZE ADJUSTED TO YOUR SPECIFIC NEEDS WITH OUR 18 HIGH-CLASS SEAMLESS MONITORS PRODUCED BY NEC. A DISPLAY WALL CAN HAVE A STANDARD FORMAT OF 16:9 OR 4:3, BUT THE FLEXIBILITY OF THE STRUCTURE MAKES IT POSSIBLE TO CUSTOMIZE THE CONFIGURATION TO YOUR SPECIFIC REQUIREMENTS.

INTERACTIVE KIOSKS / TOTEMS
OUR MACHINE PARK INCLUDES INTERACTIVE TOTEMS WHICH CAN BE USED IN INNOVATIVE CAMPAIGNS CONTROLLED BY MOTION, TOUCH AND GESTURES.
INTERACTIVE TOTEMS HAVE A VERTICAL MULTI-TOUCH 47” MONITOR AS WELL AS A MOTION SENSOR AND A HD CAMERA. THANKS TO THIS COMBINATION, THE DEVICE CAN SERVE AS AN ORDINARY MULTI-TOUCH INFORMATION KIOSK (E.G. DURING FAIRS) AND AS AN INTERACTIVE ENTERTAINMENT/ADVERTISING CENTER. INFRARED SENSOR AND INDEPENDENT CAMERA PROVIDE A UNIQUE TECHNOLOGY WHICH REACTS TO USERS’ GESTURES AND MOTIONS.

MULTI-TOUCH MONITORS / TABLES
OUR CLIENTS CAN DISPLAY THEIR INTERACTIVE APPLICATIONS ON 46” MULTI-TOUCH TABLES WITH 32 TOUCH POINTS.
EVERY TABLE HAS A MEDIA SERVER BASED ON AN I7 PROCESSOR, 4GB RAM AND A GEFORCE 430 VIDEO CARD. THIS ALLOWS TO DISPLAY VERY ADVANCED GRAPHICS BOTH IN 2D AND IN 3D. MULTI-TOUCH TABLES CAN ALSO SERVE AS FANTASTIC INTERNET BROWSERS, THEIR INBUILT WIFI ALLOWS USERS TO SURF THE WEB.
PRODUCTS

WE HAVE A UNIQUE LIST OF PRODUCTS THAT SHOULD BE IN EVERY HOME, GIVE CHILDREN A LIFE TIME EXPERIENCE.

INTERACTIVE ALPHABET FOR CHILDREN
COLOR4D - COLORING BOOK
PLKIDS - BOOKS SERIES
INTERACTIVE ALPHABET FOR CHILDREN

THE BEST WAY TO LEARN THE ALPHABET OR ANIMALS' NAMES IN THREE DIFFERENT LANGUAGES - ARABIC, ENGLISH AND FRENCH! WHAT'S MORE, BY TAPPING ON THE SCREEN EACH ANIMAL WILL COME TO LIFE - YOU'LL SEE HOW IT BEHAVES IN NATURAL HABITAT AND WHAT SOUNDS DOES IT MAKE!

ANIMAL 4D

IT IS A PACK OF CARDS, WITH 26 ILLUSTRATIONS REPRESENTING EACH ALPHABET LETTER FROM A TO Z. ANYONE WITH A PHONE OR TABLET CAN BRING THIS AUGMENTED REALITY CIRCUS TO LIFE BY JUST DOWNLOADING 'ANIMAL4D+' APP FROM THE APP STORE OR GOOGLE PLAY FOR FREE.

OCTAGON'S 4D+ ANIMAL FLASH CARDS SHOW VIRTUAL ANIMALS IN AUGMENTED REALITY. PLACE THE CARDS SIDE BY SIDE, AND EXPLORE THE ALPHABET AS NEVER SEEN BEFORE. MANY ANIMALS CAN BE VIEWED SIMULTANEOUSLY.
KIDS EVERY AGE ALL OVER THE WORLD LOVE COLORING BOOKS. THEY ARE STILL AS POPULAR AND ENTERTAINING AS ONE HUNDRED YEARS AGO, BUT THAT DOES NOT MEAN THAT THIS TYPE OF FUN CAN’T BE MADE A LITTLE MORE MODERN – WHICH CHILD WOULDN’T WANT TO SEE THE ANIMAL THEY COLORED SUDDENLY COME ALIVE?

COLORING PAGES HAVE NEVER BEEN SO MUCH FUN! COLOR4D APP COMBINES PHYSICAL COLORING FROM “BACK IN THE DAY” WITH STATE OF THE ART AUGMENTED REALITY TECHNOLOGY TO BRING YOU AND YOUR CHILDREN AN EXTRAORDINARILY, MAGICAL EXPERIENCE. EVERY COLORED PAGE COMES TO LIFE IN ITS UNIQUELY COLORED WAY, GIVING THE KID A CREATIVE INTERACTIVE EXPERIENCE WITH THE COLORINGS IN 3D WORLD.

AVAILABLE COLORING PAGES:
THIS VERSION INCLUDES 15 COLORING PAGES WITH ANIMALS: MANY BIRDS, FISH, LION, TIGER AND EVEN A DRAGON!
PLKIDS BOOKS SERIES

THE COLORING BOOK WITH THE “LIVE” CHARACTERS! PAINT THE PICTURES AND PLAY WITH THE FAVORITE HEROES! THEY TALK, DANCE AND SING RIGHT ON THE PAGES OF THE BOOK.

The Princess
BEAUTIFUL PRINCESS LUCY, FUNNY KITTEN, BRAVE PUPPY, AND WISE OWLET RESPOND TO THE TOUCH AND REPEAT THE WORDS YOU SAY! CHANGE THEIR MOOD AND APPEARANCE, TAKE PICTURES WITH THEM AND ENJOY THE ANIMATED BOOK!