## AIRSHARK

IBTTA Maintenance & Roadway Operations Workshop

May 16, 2016

## WHAT'S AIRSHARK



**UAV Flight Services Company** 

Full service UAV flight operator with a dedicated team of aviators and technologists.

Custom Hardware & Software Integrator

Quick turnaround prototype shop, with additional support from a leading UAV manufacturer.

## AIRSHARK

Partnerships & Collaborators







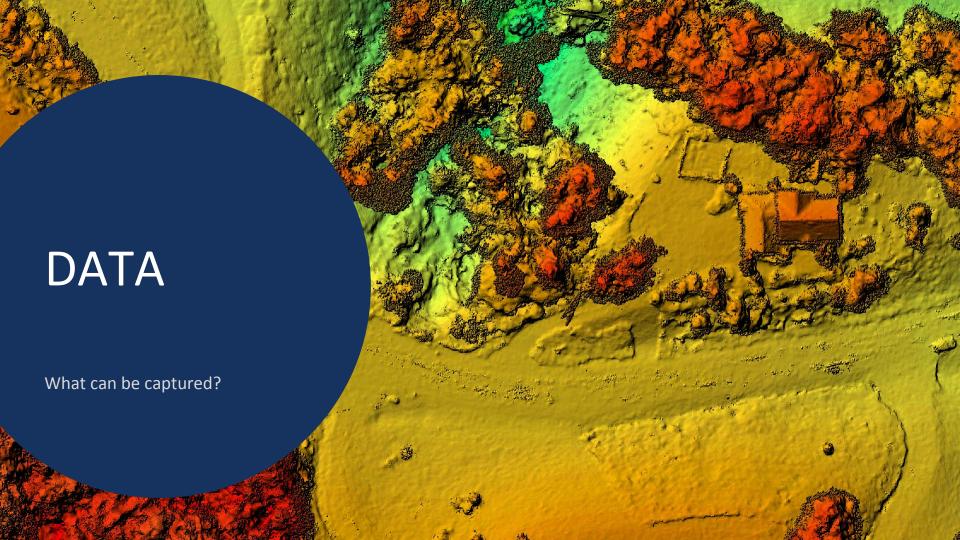












### **DATA TYPES**



**Geotagged Imagery** 

Geo-referenced still & video



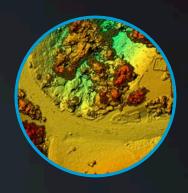
Orthophotos

High resolution orthoimagery



**Point Clouds** 

Photogrammetric point clouds in standard formats



**Surface Models** 

Raster terrain data





### **SENSORS**

Current

Future









**VISIBLE** 

High Resolution Still & Video

**IR & MULTISPECTRAL** 

Thermal, Hyperspectral, & Multispectral

LIDAR

Cost, Weight & Power Requirements currently shrinking

**OTHER** 

Gas Detectors Your Sensor Here

### **CAPABILITIES**

### **General Flight Considerations**



### WIND & PRECIP

UAV operations are best conducted on sunny or overcast days, when winds are <~15mph. Light precipitation is manageable, but avoided whenever possible.



#### MAPPING AREA

Most UAV can fly for 15 – 30 minutes, and by combining flights can cover from tens to hundreds of acres. Fixed wing UAS can cover more area per flight, and should be used for larger mapping projects.

### **CONDITIONS**

### Weather & Site Considerations



### **TERRAIN & OBSTACLES**

Flat or rolling terrain with little tree cover is ideal for UAV mapping projects. Multirotors can operate out of smaller launch areas and operate closer to structures.



### **TEMPERATURE**

UAVs can operate year round in almost any temperature, with the human operators being the largest concern. For most cases, use 0 – 100F as a guide.

### **OPERATIONAL CONSTRAINTS**

### Simplified Rules for Planning Purposes



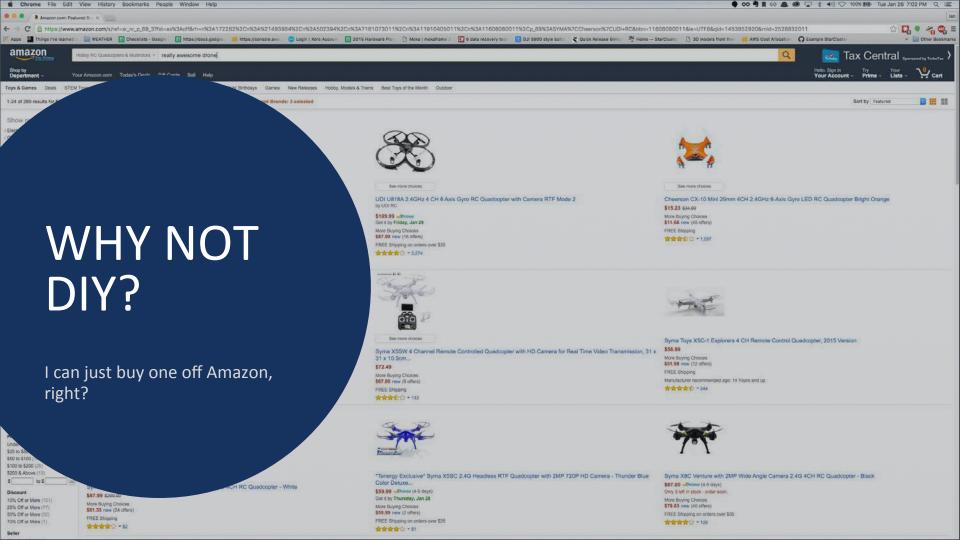
### LINE OF SIGHT

UAS must remain within the operator's line of sight, in case of emergency. This also means operations must be conducted between dawn and dusk.



### **AIRSPACE**

Except in special circumstances, commercial UAS must not operate within 5NM of an operating airport, and are generally limited to 400FT above the ground.







### **CHECKLIST**

### For Contracting UAS Operations

| FAA Approval                               | Insurance & Safety                      | Experience               | Processing |
|--|---|--------------------------|------------|
| Section 333 Exemption                      | Adequate Insurance<br>Coverage          | Situational<br>Awareness | Hardware   |
| Pilot & Visual Observer                    | Safety Plan & Operational<br>Checklists | Type of Aircraft         | Software   |
| Authorizations for Specific Airspace (COA) | Pre-Flight Briefing                     | Application<br>Specific  | Data Types |





https://www.faa.gov/uas/

# AIRMAP

http://app.airmap.io

## AIRSHARK



http://airshark.io

http://mediawing.com

info@airshark.io

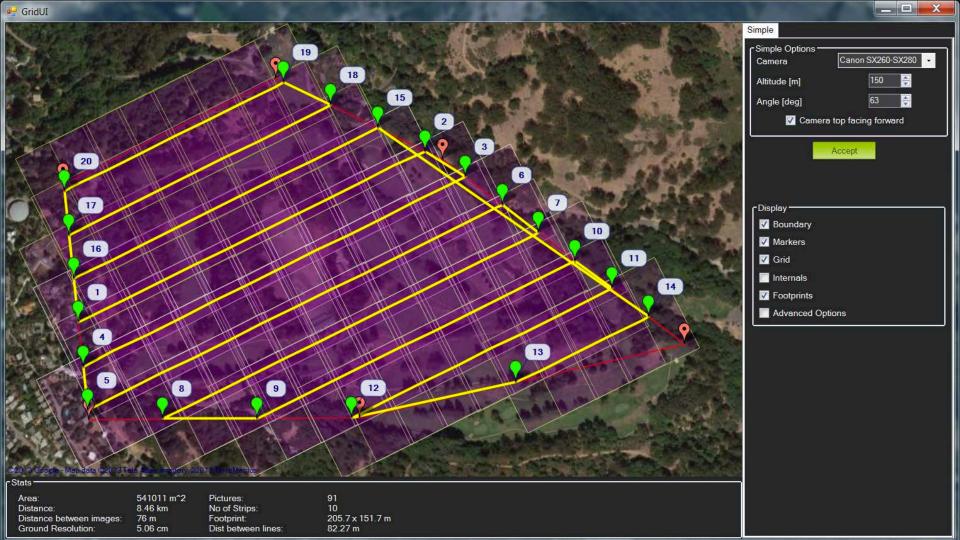




## **BACKUP** SLIDES

ARE HAPPENING

Watch out!





### WHY NOT DIY?

### Equipment



### **HARDWARE**

UAS technology is rapidly evolving, with new hardware being released almost daily. Keeping up to date with the latest capabilities – not to mention maintaining the fleet you already own – is a time consuming task.



### DATA PROCESSING

As with most professional software packages, training and licenses are a large investment. Service providers specialize in turning raw UAS data into standard GIS formats & organized reports, allowing you to focus on the big picture – not the minutiae.





## WE UNDERSTAND

And have a pulse on the everchanging needs of our clients 8 k

## SIX

**REASONS** 

TO PARTNER WITH US

## WE DELIVER PERSONALIZED SERVICE

a

Tailored to your charitable and financial interests



Let's come & see



### WE'RE LOCAL

With local staff and board members who have deep roots in the local business



## WE INSPECT THE RESULTS

And create a control group for each campaign

WE'RE A COMMUNITY LEADER

That supports high-impact opportunities

### WE'RE PROFICIENT

Our staff are expertly trained in the systems they use

## **PRESENTATION SUMMARY**



### our philosophy

Lorem Ipsum established fact that and web page editors now readable content of a page when looking at its layout.

Content here, making it look like readable English the point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using.

Publishing packages and you need to be sure there isn't anything default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy.

### what we do

H ADVERTISING

It is a long established of letters, opposed to fact that a reader sometimes by accident will be distracted by the at its layout.



The point of using Lorem Ipsum is that it has a distribution of letters, opposed to using 'Content here, content here', making it look like.



G

### **WEB DESIGN**

Many desktop publishing packages and web page editors now use Lorem Ipsum, will uncover many web sites still in their infancy.

**SEO ANALYSIS** 

Various versions have evolved over the years, sometimes by accident, sometimes on purpose injected humour and the like.

our mission



It is a long established fact that a reader will be distracted.



**PROMOTING** 

Content here, content here, making it look like fact reader.



**PRODUCING** 

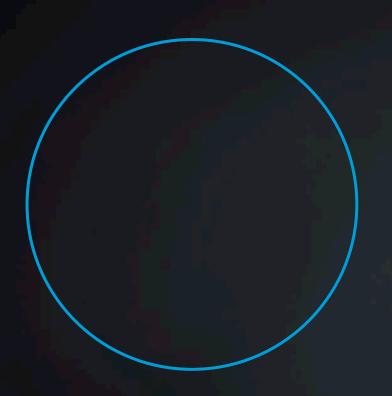
The point of using is that it has a distribution of letters, using.



**SUPPORT** 

Publishing packages and you need to be sure there.

### objective



### IT IS A LONG ESTABLISHED

fact that a reader will be distracted by the readable content of a page when looking at its layout.

### **VARIOUS VERSIONS HAVE EVOLVED**

over the years, sometimes by accident, sometimes on purpose injected humour and the like.

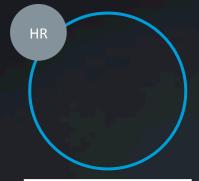
### **OUR TEAM**



### **ROGER DOE**

**Executive director** 

Nam auctor will be distracted by the readable sites still justo entum.



### **AMANDA DOE**

HR manager

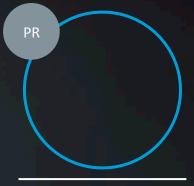
A distribution of letters, opposed to using Nam auctor justofermentum.



### JOHN DOE

**Service director** 

Will uncover many web sites still am auctor fermentum.



### **JESSICA DOE**

PR manager

Readable English the point Lorem Ipsum Nam auctor justof. Ш

# WE DELIVER PERSONALIZED SERVICE

Tailored to your charitable and financial interests



## **OUR SERVICES**

## what we are strong

Service led delivery focused on a key ingredient of your organizational mix, a principal asset

#### **DISCOVERY SERVICES**



Various versions have evolved over, accident, on purpose injected humour and the.

#### TRANSITION SERVICES



Content here, making it look like readable English the point of using Lorem.

#### **MANAGED SERVICES**



Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using.

#### SUPPORT SERVICES

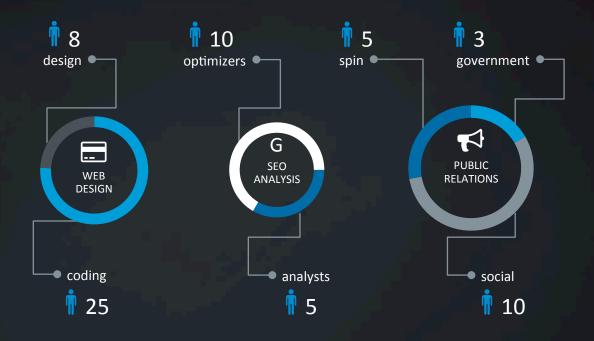


Publishing packages and you need to be sure there isn't anything default.

## **OUR SERVICES**

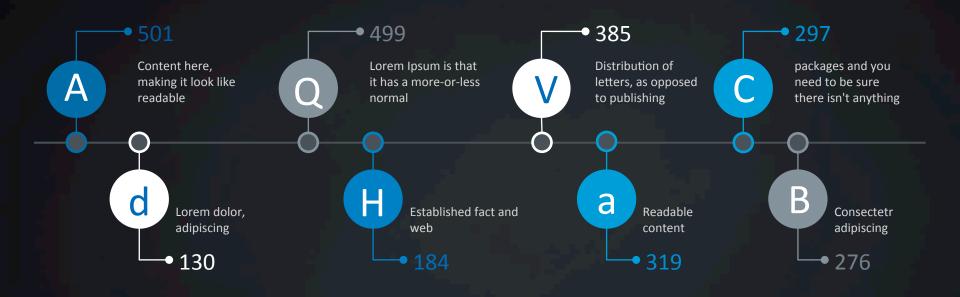
## service departments





## **SOLUTIONS**

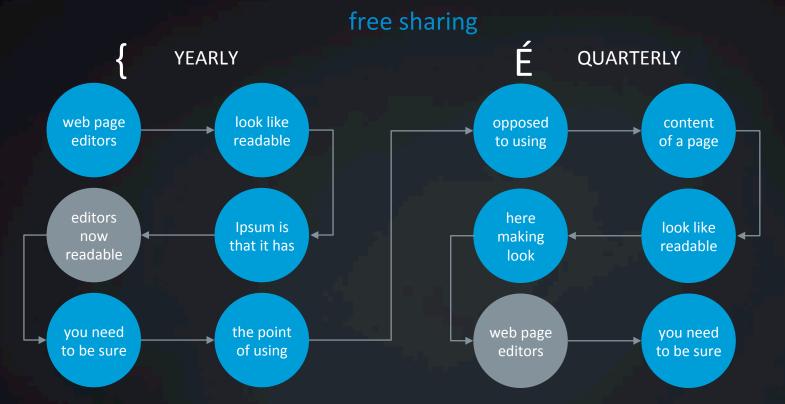
## our workflow 1



## **SOLUTIONS**



## **SOLUTIONS**

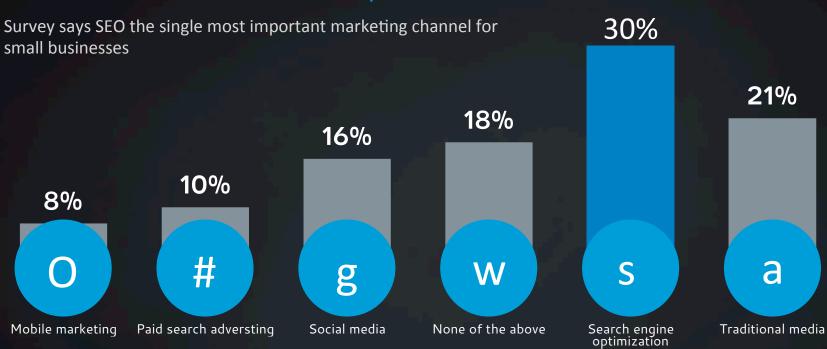


# WE UNDERSTAND

And have a pulse on the ever-changing needs of our clients

## **STRATEGIES**

## improve SEO



## **ANALYSIS MARKET**

mobile shopping trends



## **ANALYSIS TRENDS**

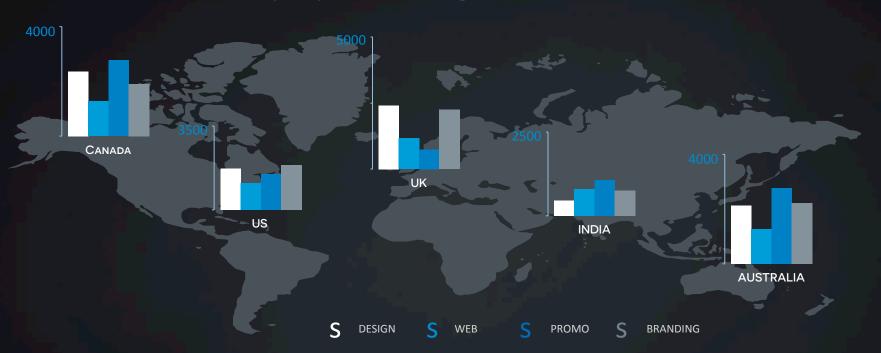


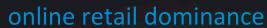
# WE INSPECT THE

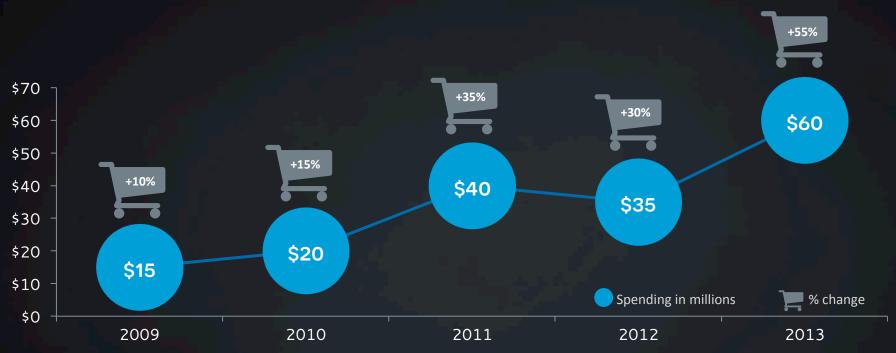
And create a control group for each campaign and maintaining a constant, global control group as well

**RESULTS** 

## query words of regional serches

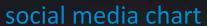


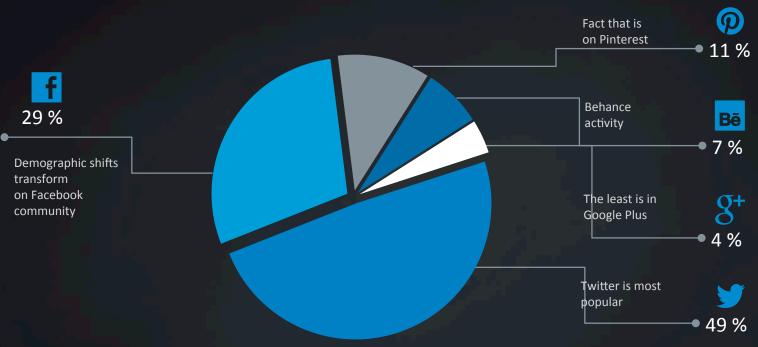




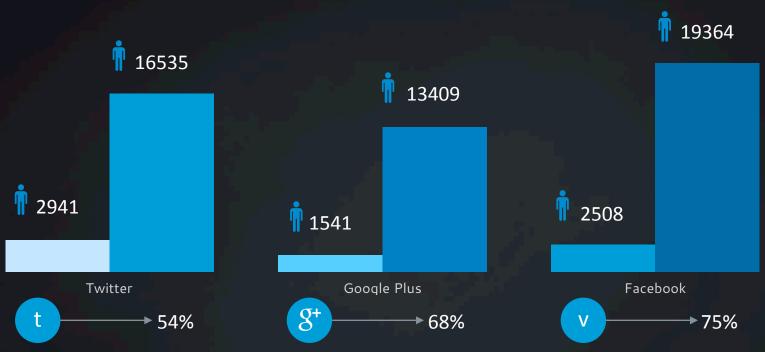
### query words to the search engine





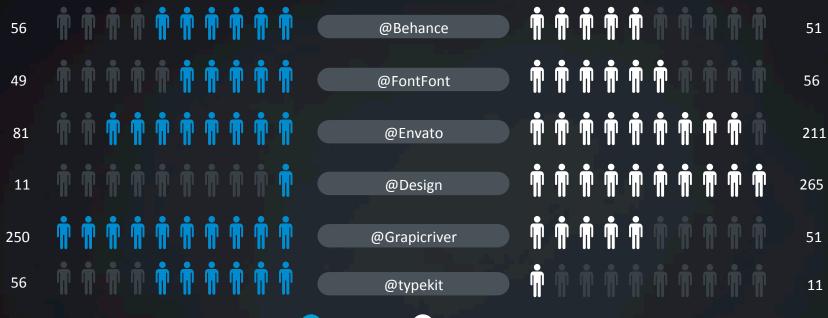


followers grow chart



## **ANALYSIS TWITTER**

### follow activity







## **ANALYSIS FACEBOOK**

### social consumer activity





Use Facebook to interact with a brand





Liked a product on Facebook





Use Facebook to research products at least once a week





Wrote an online post about a product





Wrote a product review online

## **POLLS**

#### interview based

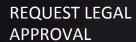


# WE'RE A COMMUNITY LEADER

That supports high-impact opportunities by working closely with organizations and other resources to create positive and lasting change

## **MEET THE COMMUNITY**

#### our workflow 3



Lorem Ipsum established fact that

36%

A

various versions have evolved

75%

2

by success

25%

by over

#### **APPROVED**

Content of a page when looking



LISTEN

20 %

#### THE SIZE OF MARKETS

Content of a page



million

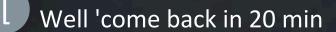


## **OUR PROJECTS**



## COFFEE BREAK

Let's have a break now



## **SHOWCASE VIDEO**

our showreel 2012

#### **VIDEO ABOUT US**

Proin gravida nibh vel velit auctor aliquet. Aenean sollicitudin, lorem quis bibendum auctor, nisi elit consequat ipsum, nec sagittis sem nibh id elit. Duis sed odio sit amet nibh vulputate cursus a sit amet mauris.

## **SHOWCASE WEB**

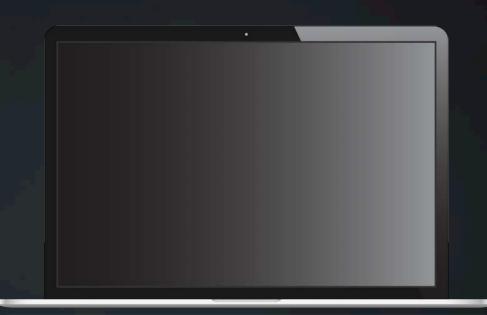
## gallery one screen

BRIEF: Lorem dolor sit amet, consectetr.

BUDGET: \$64 000

SOLUTION: mauris tempor vehicula.

**RESULT:** more then lorem dolor amet.



## SHOWCASE **SEO**

## gallery two

K

BRIEF: Lorem dolor sit amet.



BUDGET: \$512 000

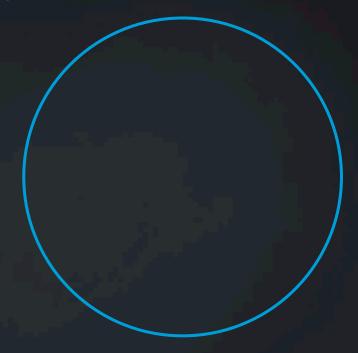


SOLUTION: mauris tempor vehicula.



RESULT: consectetr adipiscing elit.





## SHOWCASE MOBILE

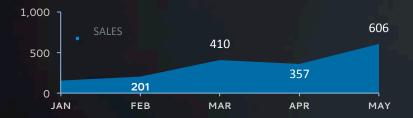
## gallery three





SOLUTION: mauris tempor vehicula.

j RESULT: more then lorem dolor sit elit.







VI

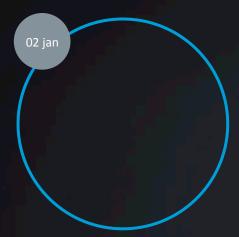
# Z

## WE'RE PROFICIENT

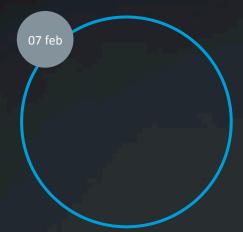
Our staff are expertly trained in the systems they use

## **PUBLIC EVENTS**

#### recent activities

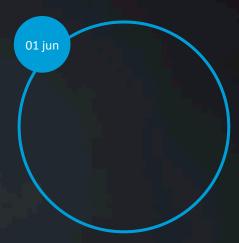


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Distribution of letters, as opposed to using.

Publishing packages and you need to be sure there isn't anything default.



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## **OUR CLIENTS**

some of our partners



## **TESTIMONIALS**

#### quotes

#### I'TS AMAZING WHAT WE CAN SEE...

Proin gravida nibh vel velit auctor aliquet. Aenean sollicitudin, lorem quis bibendum auctor, nisi elit consequat ipsum, nec sagittis sem nibh id elit. odio tincidunt auctor a ornare odio. Sed ut imperdiet nisi. Proin condimentum fermentum nunc.

#### I'VE SEEN A MILLION WORKS OF ART...

Nullam ac urna eu felis dapibus condimentum sit amet a augue. Sed non neque elit. Sed ut imperdiet nisi. Proin condimentum fermentum nunc. Etiam pharetra, erat sed fermentum feugiat, velit mauris egestas.





**New Times Magazine** 

## **STATEMENT**

## calculations

| RECOMMENDED MEDIA               | \$     | \$      |
|---------------------------------|--------|---------|
| National TV (incl. virtual TVC) |        | 200 000 |
| Outdoor                         |        | 31 700  |
| Billboards                      | 17 500 |         |
| Ambient outdoor                 | 14 200 |         |
| Indoor placements               |        | 20 000  |
| Fitness & beauty centers        | 9 000  |         |
| Business centers                | 11 000 |         |
| Digital                         |        | 8 000   |
| TOTAL                           |        | 259 700 |

## QUESTIONS AND ANSWERS

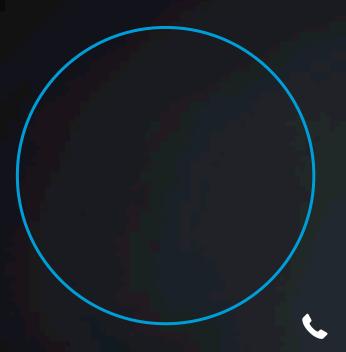
Where we hope you'll find the answer to any question you may have about



Go ahead. Ask away. Give us your best shot.

## CONTACT US

## we're based in Silicon Valley, CA



#### IF YOU WANT TO SEE WHERE WE WORK

and find out how we make websites, mobile applications and online campaigns, come on over and meet us!

Lorem ipsum how we make websites, mobile applications and online campaigns, come on over and meet us!

**CONTACT** 

t 1(123) 456 78 90

t 1(123) 456 78 90

SERVICEDES

**s** 1(123) 456 78 90 **s** 1(123) 456 78 90

VISIT (

5454, Company address, Country

## FOLLOW US

#### social links

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- PINTEREST pinterest.com/ourcompany
- DRIBBBLE dribbble.com/ourcompany
- X VIMEO vimeo.com/ourcompany
- in LINKEDIN linkedin.com/ourcompany

## THANK YOU

FOR WATCHING



See you soon!