

# Digital Transformation in the Legal Industry

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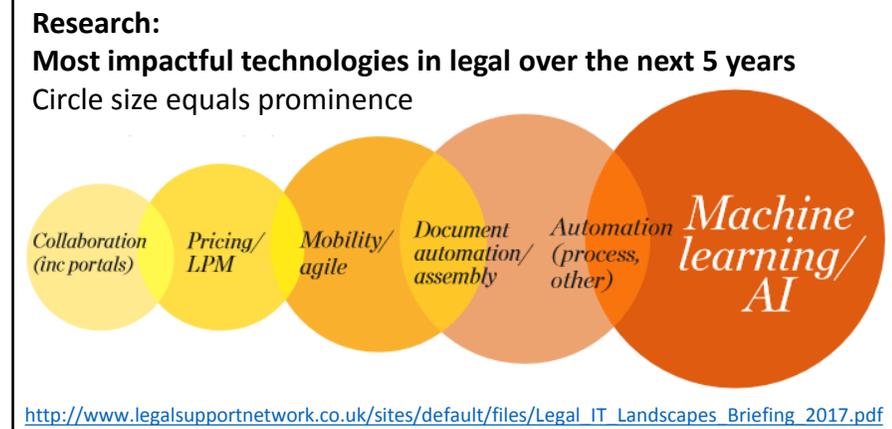
## Conclusions Part 2: Technology



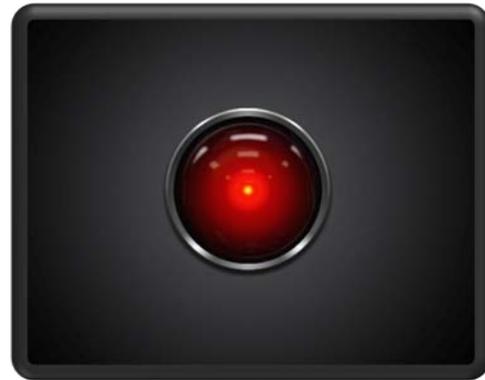
# Extract of New & Existing Technologies

Technologies in **bold** are covered in this report

- **Artificial Intelligence (AI)**  
**Machine Learning (ML)**  
**Analytics**
- **Crowdfunding & Crowdsourcing**
- **Facial Expression Recognition**
- **Natural Language Processing (NLP)**
- **Chatbots**
- **Blockchain**
- **Smart Contracts**
- **Smart Forms - Configuration**
- **Robotic Process Automation (RPA)**
- **Price/Project Estimation**
- **Workflow & Collaboration**
- **Cloud & Big Data**
- **Platform/Software as a Service (PaaS & SaaS)**
- **Blogs**
- **Chatbox**
- **Virtual (Digital) Assistants**
- **IoT – Internet of Things**
- **Practice Mgmt Solutions (ERP)**
- **Dashboards**
- **Cryptocurrencies (Bitcoins)**
- **Social Media**
- **Customer Relationship Mgmt (CRM)**
- **Mobile Apps**
- **HTML5 & Responsive websites**
- **Augmented Reality**
- **Virtual Reality**
- **Quantum Computing**



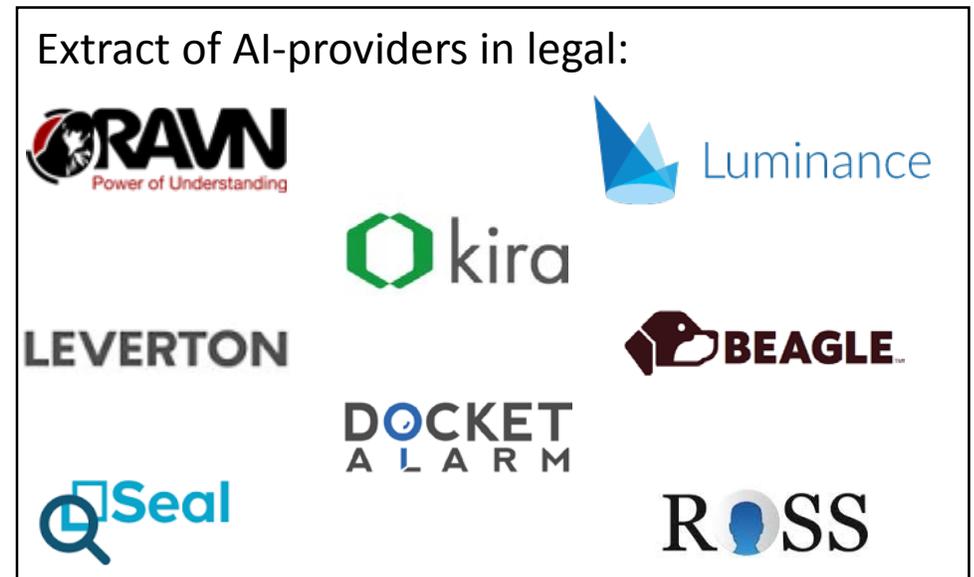
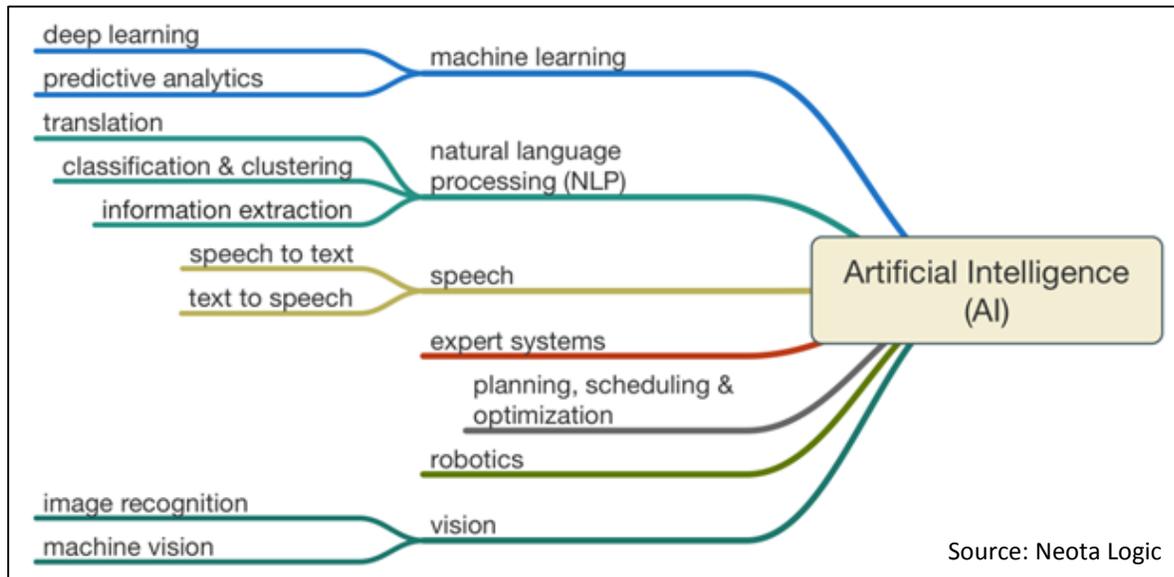
# Artificial Intelligence (AI) Machine Learning (ML) Natural Language Processing (NLP) Analytics



Hal – a Space Odyssey 2001

# What is Artificial Intelligence

- A computer system that can perform/mimic tasks normally requiring human intelligence
  - E.g. learning, problem solving, visual perception, speech recognition, decision making, ....
- Requires (today) human beings to develop the algorithms and teach the system what to look for
  - E.g. words, sentences, patterns, exceptions, anomalies,..... i.e. "filling in the blanks" for the algorithm to work
  - Some systems (Cognitive, Deep Learning) can modify the algorithm as the system learn (becomes smarter)
  - The system becomes more and more accurate (smarter) the more it is used
- Usage areas:
  - Due diligence, contract review, predictions on case outcomes, assets and properties, legal search and -research, ....



# Why use AI in Legal

- **Fast** – can save 20-90% of the time it takes a lawyer to do the same work
- **Accurate** – the quality of the outcome increases the more the solution is used. Accuracy quickly reaches +90%. A human being typically has an accuracy of ~85%
- **Meticulous** – finds clauses, wordings etc. that lawyers would normally not find
- **Tireless** – works 24/7 with the same speed and quality all the time
- **Inexpensive** – costs less than a digital data room
- **Frees up time** – lawyers can focus on more value creating tasks for the customers
- **Improved profit** – reduced costs and less time spent on tasks that the lawfirm normally can't charge full/normal fees for
- **Improved jobsatisfaction** – lawyers can focus their time on more interesting challenges vs. read tons of documents to find certain clauses etc.

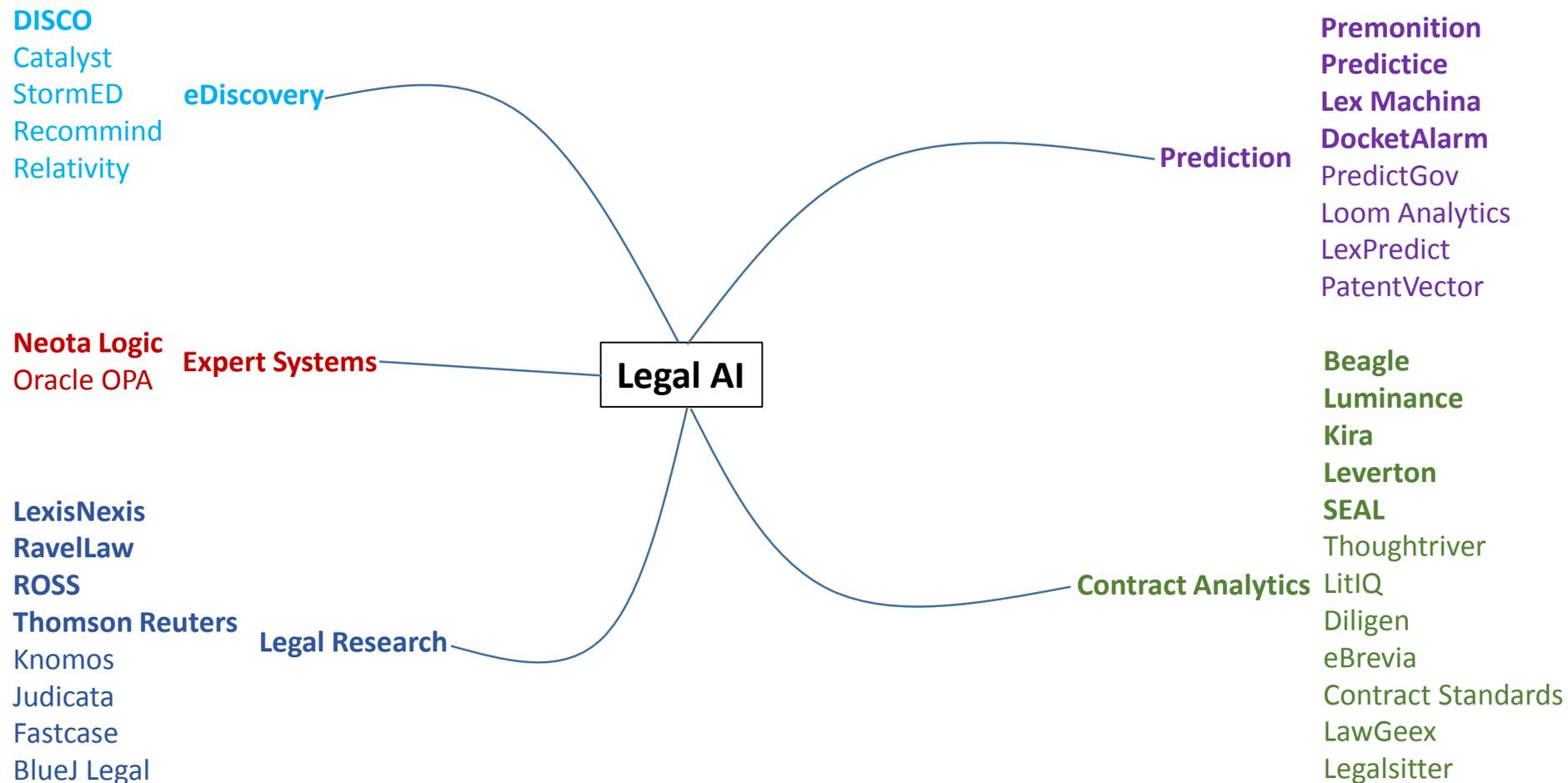
# General observations about AI in Legal

- Most AI solutions today need to be trained by humans in order to deliver value / high accuracy in results
- Depending on the complexity of the task to be executed, training of the AI solution may take considerable time – time that typically cannot be charged to a customer
- Once trained, the solution becomes smarter and more accurate, the more it is used
- AI solutions already exist – and more are on the way – that are “pre-configured/pre-trained” – i.e. requires little/no training. Known as “Self Service Portals” or “Pay-as-you-go Portals” (e.g. Luminance, RAVN’s Extract Direct,...)
- The solution will retain the knowledge in the firm when a lawyer / partner / subject matter expert leave the firm – i.e. losing a good lawyer may be less of an issue in the future
- Cost of using AI in a due diligence project today (likely to change significantly in coming years) varies greatly
  - **Luminance**: ~EUR 1.200/GB\*; **RAVN**: ~EUR 5.000 for 100 contracts (incl. setup)\*\*; **Kira**: ~EUR 10.000 per project
- Potential issues w. AI solutions:
  - Integration to data rooms (encrypted data + access/login), Languages (non-English) and new areas (outside of due diligence/contract mgmt.) may require significant training

\*1GB is equivalent to ~ 60.000 (Word) – 650.000 (Txt) pages

\*\* Number of pages in contracts irrelevant

# AI systems by category



# RAVN



**LOCATION:** UK

**URL:** <https://www.ravn.co.uk/>

**INFO:**

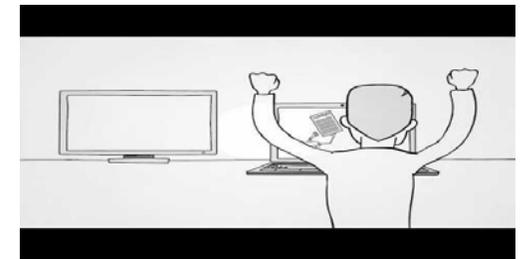
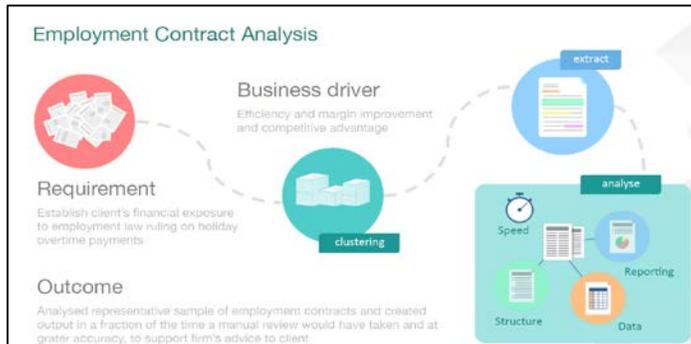
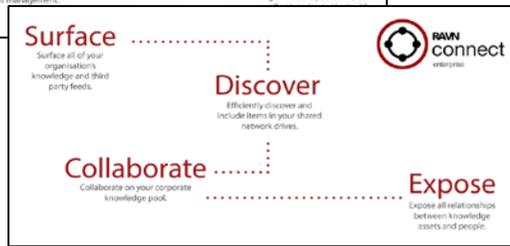
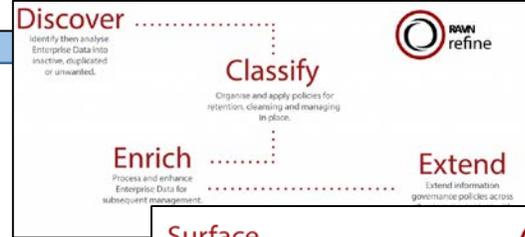
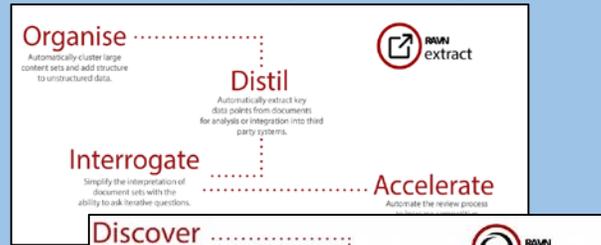
- Founded 2010: 51 - 200 employees. Acquired by iManage 24<sup>th</sup> May 2017
- ~45 law firm customers – in DK: Bech Bruun & Kammeradvokaten (Enterprise search) and DJØF (employment contracts)
- Requires RAVN people to setup solution
- Requires training in Danish language
- Price: ~EUR 5.000/100 contracts (Incl setup)
- BLP Real Estate Group: "Completes two weeks work in ~two seconds!"

**FUNCTIONAL AREAS:**

- Process, Read & Analyze Documents
- Data Extraction and comparison
- Due Diligence & Contract Analysis
- GDPR compliance
- ISDA/CSA Review & Provisions impacted by Brexit

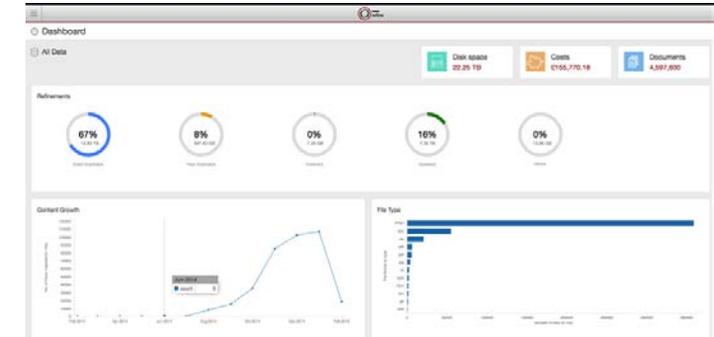
**SOLUTION(S):**

- RAVN **ACE** – Applied Cognitive Engine
- RAVN **Connect** – Advanced Enterprise search
- RAVN **Extract Direct** - Due Diligence & Contract Analysis – plug n’ play (no training of the AI solution required)
- RAVN **Refine** - Categorize data into clear scopes and refinements
- RAVN **LLP Robot** – Doc. Review for legal professional privilege (eDiscovery)



**Demo Video:** <https://ravn.wistia.com/medias/fqc85hiw83>

**Intro Video:** <https://www.youtube.com/watch?v=XdTLLg6mKf0>



# Chatbots



# Chatbot - definition

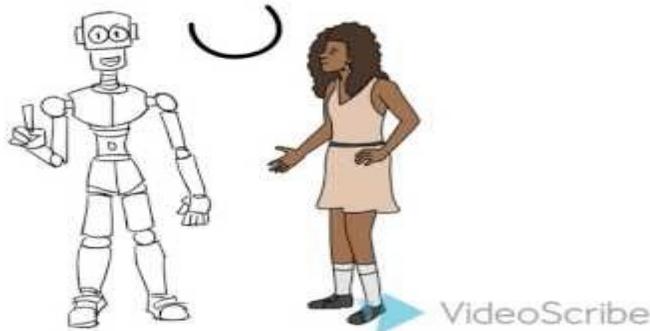
- A **chatbot** is a computer program which conducts a conversation via auditory or textual methods.
- Such programs are often designed to convincingly simulate how a human would behave as a conversational partner, thereby passing the Turing test.
- There are two main types of chatbots, one functions based on a set of rules, and the other more advanced version uses artificial intelligence (AI)
- A chatbot that uses artificial intelligence, understands language, not just commands, and continuously gets smarter as it learns from conversations it has with people

## Examples of consumer oriented chatbots:

- Siri (Apple), Cortana (Microsoft), Assistant (Google), Messenger (Facebook), Slack,....

# What is a Chatbot

What is a Chatbot



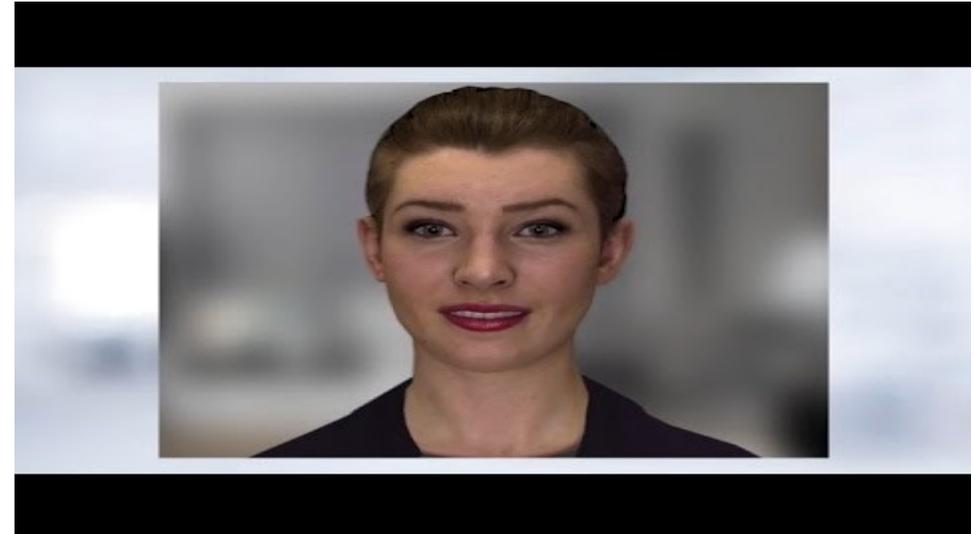
Intro Video:

<https://youtu.be/iUK17vtQuuE>

## Example of usage areas in Legal:

- Answer legal questions, read and comment on agreements, help fill in documents,....
- Contact relevant authorities, provide input on "who to talk to",....
- Help to homeless people, immigrants, refugees, tenants - get landlords to do required maintenance,....
- Help with divorces, criminal offenses, NDAs, will's, parking tickets, flight delays,.....

Nadia from NDIS in Australia  
National Disability Insurance Scheme



Intro video to Nadia – Uses Cate Blanchett (Australian actor) to replicate speak and appearance

<https://youtu.be/0tUSsqOLZC8>

Demo Video:

<https://www.facebook.com/futurism/videos/738400809672454/>

# Why use Chatbots

- **Improve service and Increase margin** - improve client relationships and increase profitability. Chatbots are patient, treat everyone equally, never get tired, are objective
- **Convenience and Independence** – Spend your precious time in areas that add most value to your company / customers
- **Time intensive** – For the client there's too much time involved in liaising with a human lawyer
- **Availability** - Human lawyers aren't available 24/7/365
- **Legalese** - Talking to human lawyers can involve a great deal of jargon, which may mean that the client doesn't understand or make the uninitiated feel intimidated. A chatbot talks to the client in a “normal”, easy to understand way without any legal jargon
- **Embarrassment** - It may be uncomfortable talking with a human lawyer due to the subject or for fear of feeling intellectually inferior

# General Observations

- Advanced chatbots using AI are experiencing tremendous uptake across all industries - **by 2020 more than 85% of customer interactions will not include a human being**
- In the future chatbots will be incorporated in most "devices" (from the fridge to the car) that require human interaction
- Chatbots will interact with other systems and devices and provide proactive information (your milk is near expiration – let me order a carton for you)
- What does a Chatbot do:
  - It provides better customer service 24/7 - unmanned
  - It provides "convenience" by providing insightful information when you need it
  - It offers services (for free) that were previously not available to the client
  - It provides intelligent, easy to understand answers to complex questions
  - It takes action – writes letters, contacts persons/organizations/authorities/other systems/.....
- Development tools are becoming more "user-friendly" – i.e. not requiring developers to develop the chatbot
- In the future we will likely see new chatbots being built by non-technical people simply by them communicating with the development tools – telling them what they want

# Example of Chatbot: DoNotPay

**LOCATION:** UK

**INFO:**

- Access to Justice
- Free
- Created by Joshua Browder – 19 years old
- Available in the US, UK, CAN

**TECHNOLOGY:**

- Chatbot
- Machine Learning
- Facebook Messenger (refugee chatbot)

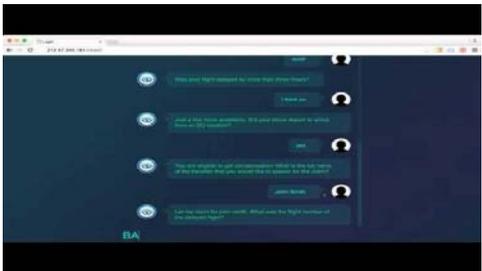
**URL:** [www.DoNotPay.co.uk](http://www.DoNotPay.co.uk)

**SOLUTION(S):**

- Parking tickets – overturned 160.000 parking tickets
- Flight delays
- Help for homeless people
- Help for renters – get landlords to do necessary maintenance
- Immigration applications, asylum and legal support for refugees

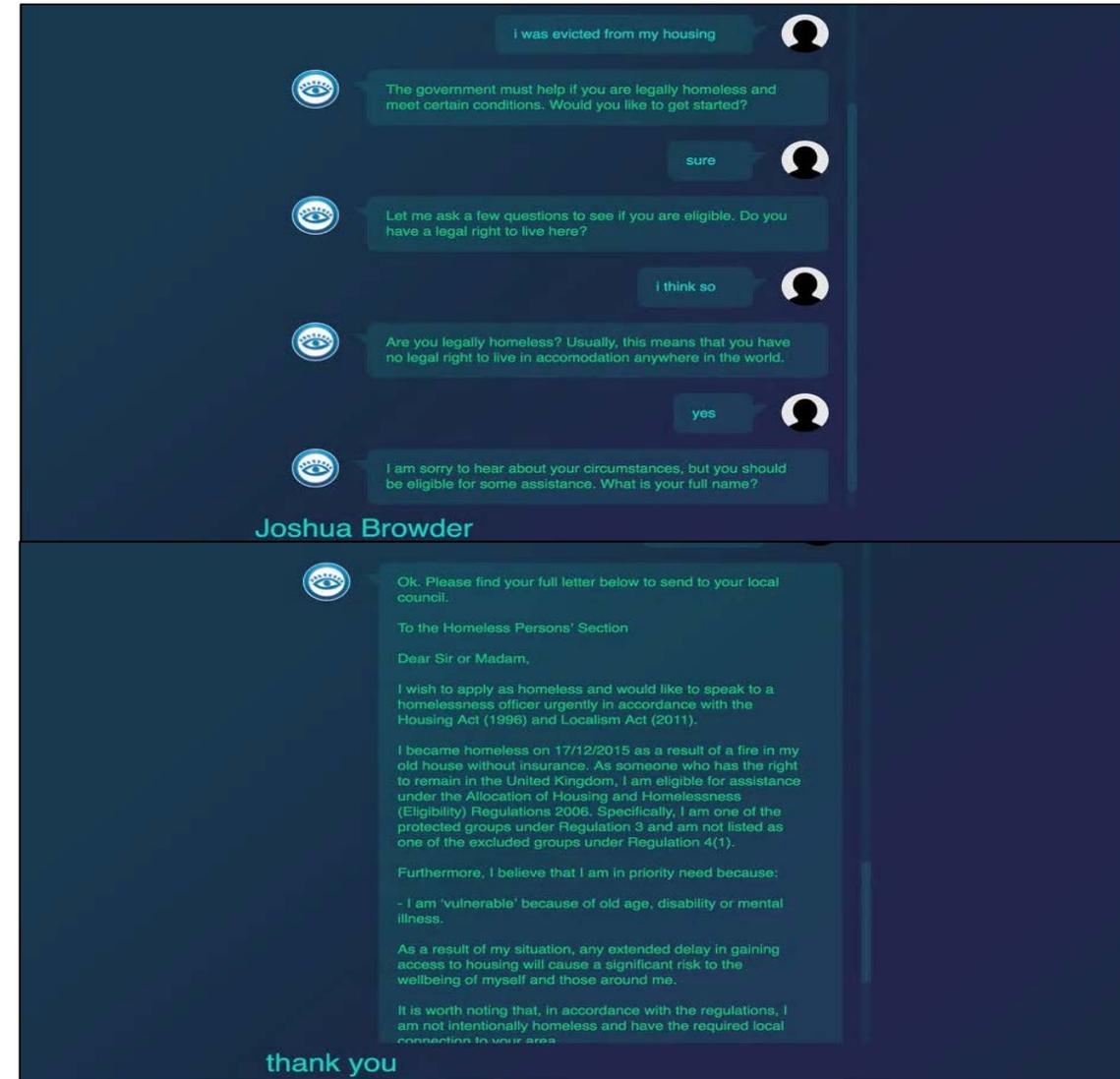
**How it works (refugee chatbot):**

- The chatbot asks a series of questions and uses the responses to determine the right application form and whether the refugee is eligible for asylum protection
- It then requests the necessary info. from the user and auto-fills the appropriate application form
- The chatbot automatically deletes user details when the form is submitted



Demo:

<https://www.youtube.com/watch?v=0yx6UIO6Xg0>



Article:

<https://www.theguardian.com/technology/2016/aug/11/chatbot-lawyer-beat-parking-fines-helping-homeless-do-not-pay>

# Blockchain



# What is a Blockchain

## What is Blockchain?



Intro Video:

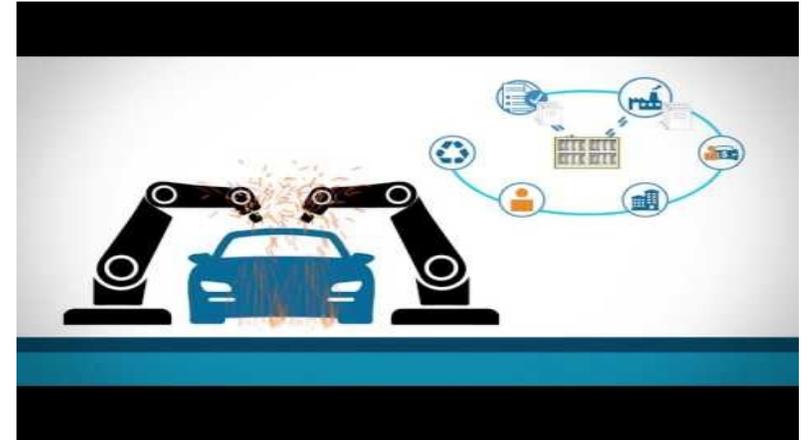
<https://youtu.be/WiRFuHXHBhk>

- A **blockchain** is a distributed database that maintains a continuously growing list of ordered records called *blocks*. Each block contains a timestamp and a link to a previous block.
- By design, blockchains are inherently resistant to modification of the data — once recorded, the data in a block cannot be altered retroactively.
- Blockchain is "an open, immutable distributed ledger that share transactions between two or more parties efficiently and in a verifiable and permanent way. The ledger itself can also be programmed to trigger transactions automatically." — e.g. trigger an automatic payment when a contract has been signed.

Advantage:

- The Blockchain is maintained by a network of computers – i.e. there is no central authority (e.g. a bank) involved – all parties, entities and “products” are verified and acknowledged by the “members” making the system hacker/tamper proof

Source: Wikipedia



Video about Smart Contracts & Blockchain:

<https://youtu.be/IgNfoQQ5Reg>

# What is a Smart Contract



Intro video to Smart Contracts:

<https://youtu.be/8Dw1nz9t74I>

- A Smart contract is basically a computer program – “encoded logic that receives certain inputs and executes a set of instructions to reach one of many pre-defined outcomes... At its heart, a smart contract simply guarantees execution of a particular code base”

## **October 2016: The world’s first shipment of goods supported by a letter of credit using blockchain-based smart contracts and the Internet of Things (IoT):**

- The shipment of 88 bales of cotton from the US to China involves a letter of credit executed through a digital smart contract stored on blockchain technology. It has a GPS device tracking its geographic location and funds are expected to be released when the ship reaches its destination.

<https://www.artificiallawyer.com/2017/01/01/intelligent-contract-founders-clause-io/>

<http://www.legalfutures.co.uk/latest-news/groundbreaking-digital-contracts-business-layers-security-defeat-hackers>

# Example of Smart Contract: DocuSign

LOCATION: US

URL: <https://www.docusign.com/>

INFO:

- Partnership w. IBM on Blockchain

TECHNOLOGY:

- Blockchain
- eSignature
- Open APIs to other systems

SOLUTION EXAMPLES:

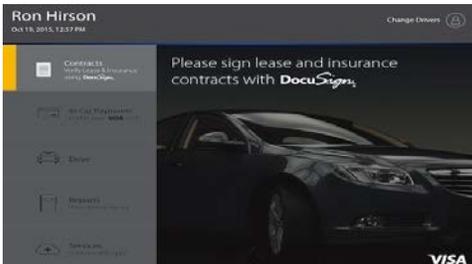
- Advanced workflow mgmt
- Document & contract Mgmt
- Robust authentication, encryption, tamper-seal certificates, chain of custody, non-repudiable audit trail

SOLUTION(S):

- DocuSign Digital Transaction Mgmt.** - empower your internal clients and improve the speed of contract execution
- Securely protect confidential information with enforceability and multiple levels of authentication
- DocuSign Payments** - sign and pay for virtually anything in a single step
- DocuSign Signature**
- DocuSign Transaction Room** - keep transactions on track with tasks that guide agents through your process

The screenshot shows the DocuSign homepage with a navigation bar including 'Products', 'Industries', 'Developers', 'Support', 'Pricing', and 'More'. A 'FREE TRIAL' and 'LOG IN' button are visible. The main headline reads 'It's here—DocuSign Payments' with a sub-headline 'Collect payments and get signatures, in one step, with DocuSign's fully digital payment solution—the new way to get paid—faster.' Below this is a 'SEE HOW' button. The page features three main content blocks: 'Simplify signing, with DocuSign' (with a 'Try it' link), 'Special Olympics goes digital' (with a 'Watch video' link), and 'Sign in seconds. Done.' (with a 'See how' link). A footer cookie notice is also present.

The screenshot shows the 'Solutions for Legal Departments' page on DocuSign. It features a navigation bar similar to the homepage. The main heading is 'Solutions for Legal Departments'. Below the heading is a video player showing a hand holding a smartphone. The text states: 'DocuSign helps law firms and legal departments increase document automation, efficiency and compliance. With industry-leading standards of enforceability, including robust authentication, encryption, tamper-seal certificates, chain of custody, and a non-repudiable audit trail, it's actually a risk not to go with DocuSign.' The page is divided into 'Features and benefits' and 'REQUEST MORE INFO' sections. The 'Features and benefits' section lists: 'Non-disclosure agreements', 'Business contracts and agreements', and 'Contract management'. The 'REQUEST MORE INFO' section includes a phone number '1-877-720-2040' and a 'CONTACT SALES' button. The 'TRY A QUICK DEMO' section includes a 'GET STARTED' button.



Video: Car leasing using Smart Contracts & Blockchain:

<https://youtu.be/2rLNbd6MQXg>

# Crowdsourcing



# What is Crowdsourcing

- **Crowdsourcing** is a specific sourcing model in which individuals or organizations use contributions from internet users to obtain needed services or ideas
- One of the most well known crowdsourcing platforms worldwide is [www.upwork.com](http://www.upwork.com) Examples in Denmark include [www.haandvaerker.dk](http://www.haandvaerker.dk)
- Crowdsourcing in the form of idea competitions or innovation contests provides a way for organizations to learn beyond what their "base of minds" of employees provides

# Example of Crowdsourcing: UpWork



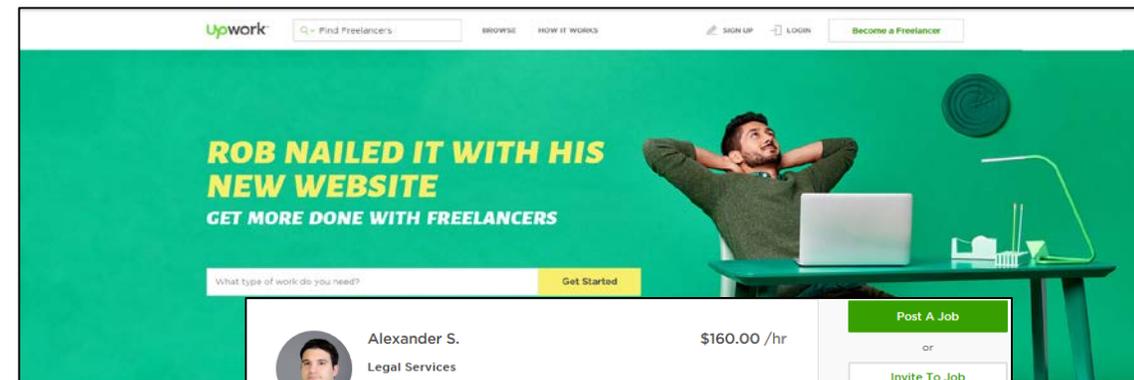
LOCATION: US

INFO:

- Global freelancing platform where businesses and independent professionals connect and collaborate remotely around services needed e.g. legal services, design work, programming,.....
- Charges 5-20% of the service fee (e.g. legal service)
- In June 2016 over USD 1B was billed through the platform

URL: <https://www.upwork.com/>

- 12M registered freelancers
- 5M registered customers
- 3M jobs (projects) posted per year



**Alexander S.**  
Legal Services  
\$160.00 / hr | \$9k+ earned | 86% Job Success | United States

Ivy league graduate licensed to practice law in New York and New Jersey. Experienced litigator specializing in areas including general commercial and civil lit...

**Theresa N.**  
US & UK Attorney (Contracts, IP, Research)  
\$115.00 / hr | \$100k+ earned | 100% Job Success | United States

Experienced small business attorney available for contract and agreement drafting (in-house counsel for software, e-commerce and chemical companies), negotiatio ...

**Chris T.**  
drafting and review of legal agreements  
\$125.00 / hr | \$20k+ earned | New Zealand

The Extra Check Limited specialises in providing for the legal needs of IT and web-based companies. Our services include - preparation and/or review of term ...

**Janette Levey F.**  
Employment/Contracts/Business Law, Legal Writing  
\$150.00 / hr | \$10k+ earned | 100% Job Success | United States

I have over 20 years of legal experience, more than 10 of which I have spent in Employment Law. It was during my tenure as sole in-house counsel for a mid-size ...

**Alexander S.** \$160.00 / hr

Legal Services  
Hoboken, United States

Litigation | Intellectual Property Law | Trademark Consulting | Writing | Legal Writing | 4 more

**Overview**

Ivy league graduate licensed to practice law in New York and New Jersey. Experienced litigator specializing in areas including general commercial and civil litigation, startup and small business law, contract drafting and free speech and defamation issues.

Significant additional experience in employment and personal injury litigation, bankruptcy and creditors' rights and intellectual property.

Alexander S. has added 1 portfolio piece. [Create an account to review it.](#)

**Work History and Feedback**

**Legal Research & Writing**  
Feb 2017 - Present | 57 hours | \$160.00 / hr | \$9,120.00 earned

Need a brief legal demand letter written - breach of contract case is simple and straightforward  
Jan 2017 | \$125.00 earned | Fixed Price

\*\*\*\*\* 5.00  
Alexander was great - and did a great job with my demand letter. Very professional and letter was right on the mark. Will hire again!

Civil Law- Summons and Complaint for Filing of a Defamation Lawsuit ( Libel)  
Dec 2016 | 4 hours | \$125.00 / hr | \$500.00 earned

Need a lawyer to send a Cease and Desist for | \$100.00 earned

**Work History**  
61 hours worked  
9 jobs  
\$9k+ earned

Availability  
As Needed - Open to Offers  
< 24 hour response time

Profile Link  
<https://www.upwork.com>

Search for others

Professional Proofreaders & Copy Editors  
Creative Writers & Content Editors  
Blog Writers  
Copy Editing Freelancers  
Copywriters

Any category	All subcategories (15,358)
Web, Mobile & Software Dev	Contract Law (4,179)
IT & Networking	Corporate Law (3,166)
Data Science & Analytics	Criminal Law (1,711)
Engineering & Architecture	Family Law (1,946)
Design & Creative	Intellectual Property Law (1,940)
Writing	Paralegal Services (4,383)
Translation	Other - Legal (12,193)
<b>Legal</b>	
Admin Support	<b>Any job success (15,358)</b>
Customer Service	<b>80% job success &amp; up (616)</b>
Sales & Marketing	<b>90% job success &amp; up (486)</b>

# Crowdfunding aka Commercial Litigation Finance



# What is Crowdfunding

- **Crowdfunding** is the practice of funding a project or venture by raising monetary contributions from a large number of people
- Examples of the most well known Crowdfunding platforms are [www.Kickstarter.com](http://www.Kickstarter.com) and [www.indiegogo.com](http://www.indiegogo.com)
- In 2015, it was estimated that worldwide over USD 34B was raised this way
- Crowdfunding is generally based on three types of actors:
  - the project initiator who proposes the idea and/or project to be funded
  - individuals or groups who support the idea
  - a moderating organization (the "platform") that brings the parties together to launch the idea
- **Litigation funding**, also known as legal financing enables a party to litigate or arbitrate without having to pay for it, whether because they are unable to pay for it or because they do not want to

# Example of Crowdfunding: Crowdjustice

LOCATION: UK

## INFO:

- Founded 2015 - 11 employees in London & New York
- Launched by former attorney from Linklaters
- Donations based Crowdfunding platform for consumers and companies
- Helps raise funds, gather support and increase public awareness for legal cases
- Cost: 6% to the crowdfunding site and 1,7% + 20 pence for payment processing
- Politically agnostic/neutral
- Raised ~USD 2,5M for 150 cases
- ~90% of cases hit funding needs

URL: <https://www.crowdjustice.org/>

- CrowdJustice does some due diligence to ensure none of the parties to the lawsuit are subject to any kind of national or international sanctions (such as Securities and Exchange Commission violations, federal or international court matters) and verifies that the case in question is under active litigation by a licensed attorney.



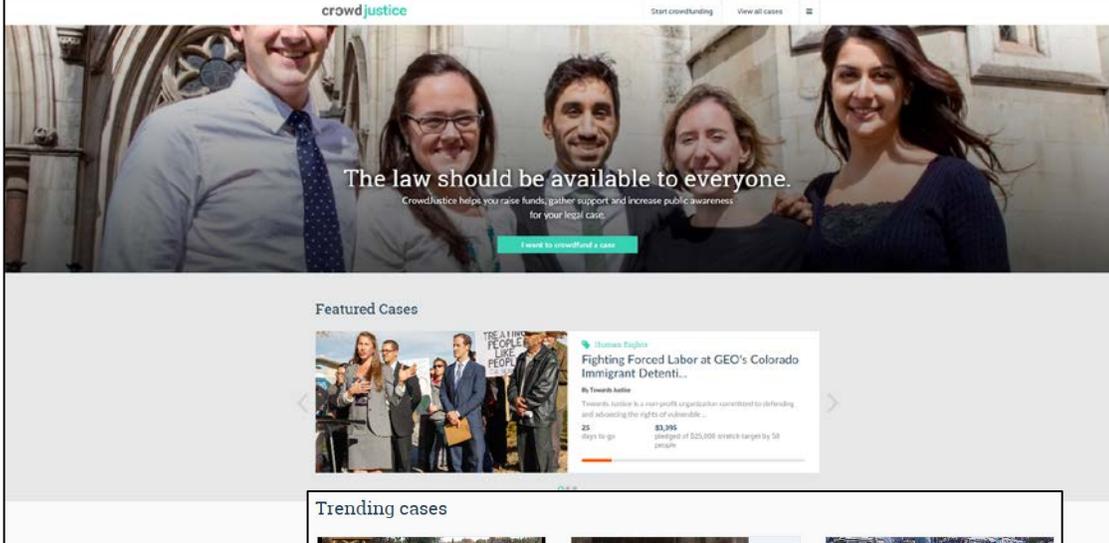
**Legal Campaign**

**Uber must pay all of its taxes**

By Good Law Project Limited

My name is Jo Maugham QC. I direct the Good Law Project Limited which uses the law to deliver a progressive...

17 days to go **£76,492** pledged of £105,000 stretch target by 2,256 people



The law should be available to everyone.  
CrowdJustice helps you raise funds, gather support and increase public awareness for your legal case.

Featured Cases

**Human Rights**  
Fighting Forced Labor at GEO's Colorado Immigrant Detent...

By Thomas Justice  
Thomas Justice is a non-profit organization committed to defending and advancing the rights of vulnerable...

25 days to go **\$3,395** pledged of \$25,000 stretch target by 50 people

## Trending cases

<p><b>Human Rights</b></p> <p>Keep my Two Sons in the UK</p> <p>By M. Saeed</p> <p>24 days to go <b>£1,470</b> pledged of £3,500 target by 16 people</p>	<p><b>Immigration</b></p> <p>Mother's Plea to Stay With Son</p> <p>By Shashi Garg</p> <p>19 days to go <b>£530</b> pledged of £2,939 target by 16 people</p>	<p><b>Judicial Review</b></p> <p>Historic Plymouth Hoe At Risk</p> <p>By Martin Wornall</p> <p>19 days to go <b>£6,270</b> pledged of £10,000 stretch target by 77 people</p>
<p><b>Human Rights</b></p> <p>I want to have a dignified death</p> <p>Byomid</p> <p>17 days to go <b>£6,290</b> pledged of £1,000 target by 124 people</p>	<p><b>Judicial Review</b></p> <p>Clifford's Tower Visitor Centre Judicial Review</p> <p>By Cllr. Johnny Hayes MBE</p> <p>14 days to go <b>£13,220</b> pledged of £15,600 stretch target by 243 people</p>	<p><b>Planning</b></p> <p>An unsustainable development threatens the village of Milverton</p> <p>By Michael J Reynolds</p> <p>13 days to go <b>£6,735</b> pledged of £7,000 stretch target by 85 people</p>

[View all cases](#)



Similar Sites:

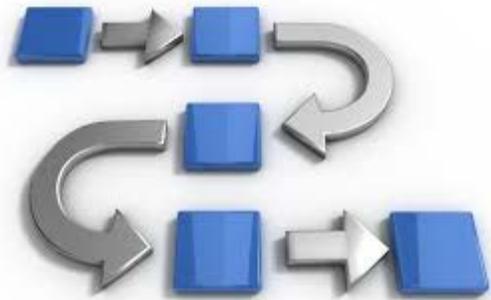
Crowdfunder: <http://www.crowdfunder.co.uk/fundraising/legal-cases>

Fundedjustice: <http://fundedjustice.com/>

Case story (video):

<https://youtu.be/IWVA6ReKXAo>

# Workflow & Collaboration



# What is Workflow Mgmt

- A **workflow application** is a software application which automates a process or processes.
- The processes are usually business-related but can be any process that requires a series of steps to be automated via software.
- Some steps of the process may require human intervention, such as an approval or the development of custom text, but functions that can be automated should be handled by the application

# Example of Workflow & Collaboration HighQ



**LOCATION:** UK

**URL:** <http://highq.com>

**INFO:**

- Founded 2001 - 201 – 500 employees
- Widely used workflow mgmt. & collaboration solution among legal firms in the Nordics
- Handled 20.000+ transactions through their data room
- Investors: Morgan Stanley, Goldman Sachs and more

**SOLUTION(S):**

- **HighQ Collaborate** - work in teams with colleagues, clients and partners from anywhere.
- Store and share files, manage projects, capture knowledge and improve business processes
- **HighQ Publisher** - create and manage portals, publish articles, blogs, events, microsites,...
- **HighQ Data room** - manage transactional documents

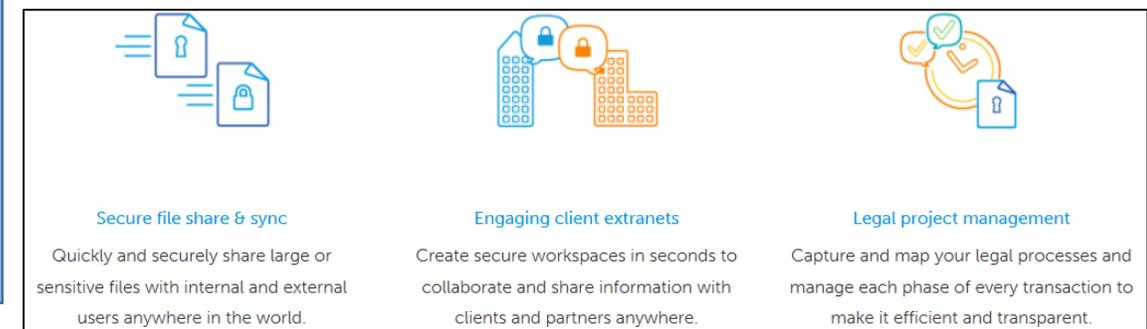
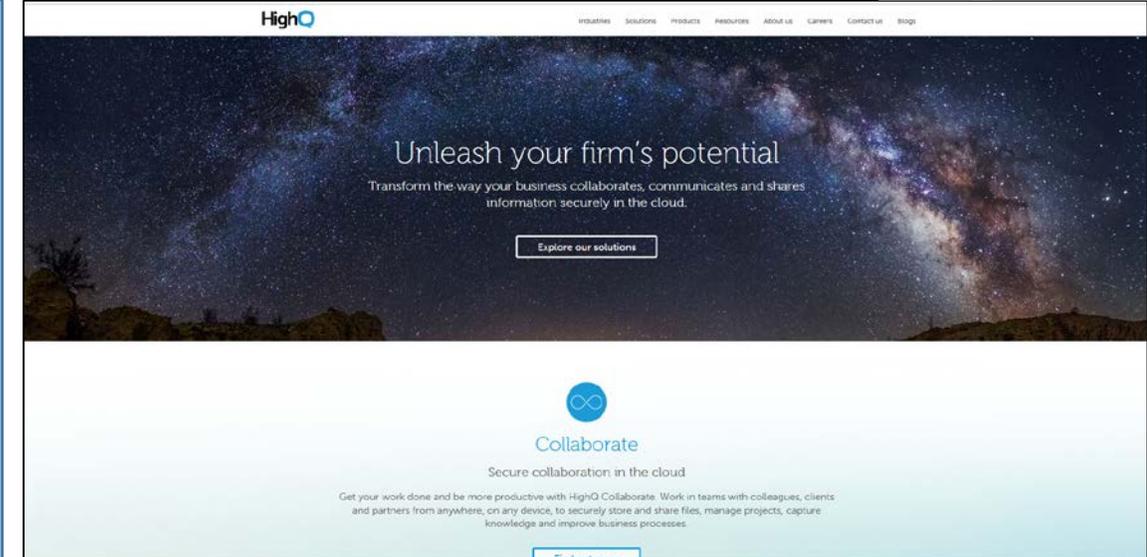
**FUNCTIONAL AREAS:**

- Virtual data room & Due diligence
- Team collaboration
- Project & contract mgmt.
- Document mgmt. & automation
- Internal/external knowledge mgmt



Intro video:

<https://youtu.be/yAmPcX8up6E>



# Blogging



# What is a blog

- A **blog** is a discussion or informational website consisting of text entries ("posts")
- Blogging (writing posts) can be written by a large numbers of authors and are sometimes professionally edited. Blogs from newspapers, other media outlets, universities, think tanks, advocacy groups and similar institutions account for an increasing quantity of blog traffic.

# Blogging by lawyers

- Lawyers have historically been reluctant to use blogs or write posts – i.e. to share their insights and knowledge with fellow lawyers – e.g. their opinion on a specific court ruling etc.
- However, this is changing – in the US it is becoming increasingly popular for lawyers to “blog”. Today 60% of law firms w. 500+ employees have their own blog and 81% of the Am Law 200 are using blogs as part of their marketing efforts
- Casetext has built a community w. over 350.000 unique users / lawyers per month
- All blogs and comments are stored on the “Casetext Communities” platform for easy future access
- Top 100 Legal Blog sites: [http://blog.feedspot.com/legal\\_law\\_blogs/](http://blog.feedspot.com/legal_law_blogs/)

## Denmark:

- Total number of Social Media users in percent of total number of Internet users: 69,9% (2016).
- This means that ~70% of lawyers use one or more social media tools (Facebook, LinkedIn, Twitter, Messenger, Instagram, blogs,.....)

Source: 2016 Legal Technology Survey Report; Lexblog

Rank	Blog Name	Facebook Fans	Twitter Followers	Alexa Rank
1	<b>Above the Law</b> <span>+ Follow</span> abovethelaw.com New York, NY <b>About Blog</b> - Above the Law is a legal web site providing news, insights, and opinions on Law firms, Lawyers, Law school, Law suits, Judges and Courts. It takes a behind-the-scenes look at the world of law. The site provides news about the profession's most colorful personalities and powerful institutions, as well as original commentary on the latest legal developments. <b>Frequency</b> - about 88 posts per week GET EMAIL ALERTS <input type="text"/> Enter email <input type="button" value="Subscribe"/>	42,693	123,092	22,695
2	<b>SCOTUS Blog</b> <span>+ Follow</span> scotusblog.com Washington DC <b>About Blog</b> - Whether you are a lawyer, law student, or just interested in the U.S. Supreme Court, SCOTUS blog, now in its tenth year, provides comprehensive coverage of the Court and its cases. The blog is written by lawyers, students, and journalists devoted to coverage of the Supreme Court of the United States (SCOTUS). <b>Frequency</b> - about 18 posts per week GET EMAIL ALERTS <input type="text"/> Enter email <input type="button" value="Subscribe"/>	22,777	266,572	81,817
3	<b>ABA Journal   The Lawyer's Magazine</b> <span>+ Follow</span> abajournal.com Chicago <b>About Blog</b> - Get continuous news updates from the United States' most-read and most-respected legal affairs magazine and website, ABA Journal. It is the flagship magazine of the American Bar Association, covering the trends, people and finances of the legal profession from Wall Street to Main Street to Pennsylvania Avenue. <b>Frequency</b> - about 50 posts per week GET EMAIL ALERTS	20,637	80,983	53,852

[http://blog.feedspot.com/legal\\_law\\_blogs/](http://blog.feedspot.com/legal_law_blogs/)



Video on Blogging at Fox Rothschild:

<https://youtu.be/rO5nICIZyu4>

## Types of Legal Blogs:

- Business Law Blog
- Employment Law Blog
- Election Law Blog
- Technology Law Blog
- Marketing Law Blog
- Privacy Law Blog
- Construction Law Blog
- Personal Injury Law Blog
- Criminal Law Blog
- Sports Law Blog
- Cyber Law Blog
- Fire Law Blog
- Entertainment Law Blog
- Auto Law Blog
- Copyright Law Blog
- Trademark Law Blog
- Fashion Law Blog
- Environmental Law Blog
- Broadcast Law Blog

# Example of Blogging Solution: Casetext

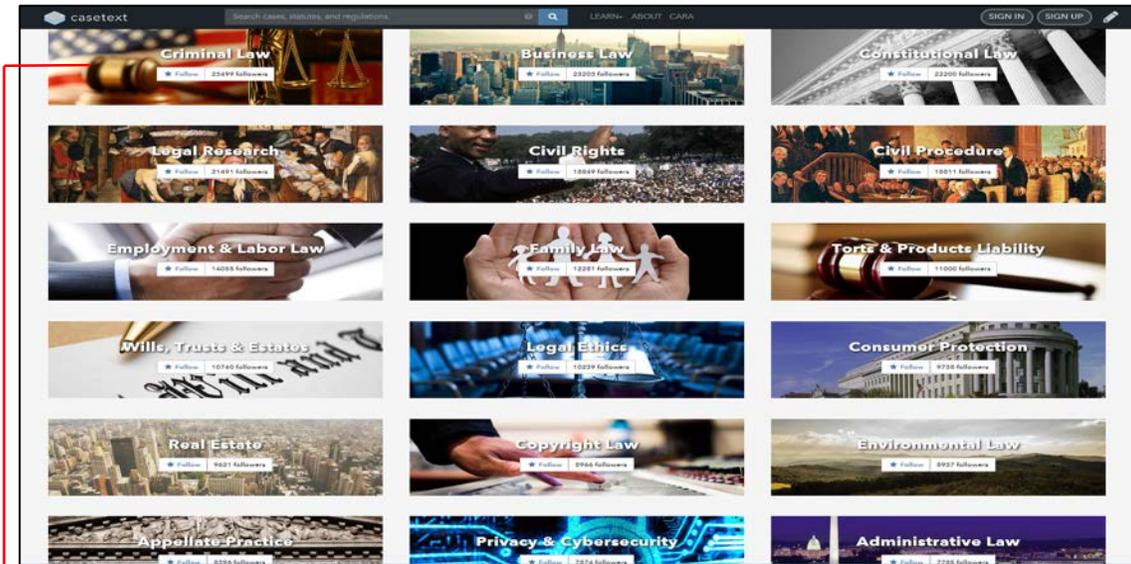


LOCATION: US

URL: <https://casetext.com/communities>

## INFO:

- Founded 2013 – 11-50 employees
  - Tap into the collective expertise of the entire legal community - for free
  - Search over 10 million judicial opinions, statutes, and regulations
  - Read cases annotated by our community of tens of thousands of lawyers and legal experts
- Browse community pages to find all the best commentary in your practice areas
  - Connect with colleagues who are active in the same communities you are
  - Start or join conversations about legal topics you're interested in.



## Editor

**Patent Infringement and the ITC's Jurisdiction in the Digital Age**

A DISPUTE ABOUT TOOTH ALIGNERS RESULTED IN A FIGHT ABOUT THE ITC'S JURISDICTION OVER ELECTRONIC TRANSMISSIONS

The International Trade Commission ("ITC") is an "independent nonpartisan agency that investigates and reports to the President and Congress on matters concerning import trade, tariffs and trade agreements." *Shewmaker v. Parker*, 479 F.Supp. 616 (D.D.C. 1979). Established in 1930 as the U.S. Tariff Commission, the ITC has broad investigative authority over matters of international trade, including regulating the importation of goods into the country. Among its responsibilities is to serve as a forum for intellectual property owners to petition to prevent the importation of products that infringe their rights. Last year, the ITC made the following statement:

Importation . . . of articles should be construed to include electronic transmission of digital data because the digital data sets at issue in this investigation are true articles of international commerce that are imported into the United States and their inclusion within the purview of section 337 [of the Tariff Act] would effectuate the central purpose of the statute.

United States International Trade Commission, In re Certain Digital Models, Digital Data, and Treatment Plans for Use in Making

**SHEWMAKER v. PARKER**

HARRINGTON B. PARKER, DISTRICT JUDGE

On December 8, 1979, Chairman Daniel Minchew of the International Trade Commission (ITC or Commission) resigned plaintiff Russell N. Shewmaker from his GS-17 position as General Counsel of the ITC to the GS-17 position of Senior Advisor. Shewmaker brings this suit against the current Chairman of the Commission and individual Commissioners to secure reinstatement to his former position, on grounds that the resignation was illegal because not approved by a majority of the Commissioners as allegedly required by the delegation amendment to the Tariff Act of 1930. The relevant statutory section provides that . . .

Subject to approval by a majority vote of all the commissioners in office, the chairman may . . . (2) terminate the employment of any supervisory employee of the Commission whose duties involve substantial personal responsibility for Commission matters and who is compensated at a rate equal to, or in excess of, the rate for grade GS-17.

39 U.S.C. § 3303(c).

1. Act of August 27, 1977, Pub.L. No. 95-261, 91 Stat. 860, 868 (amending 19 U.S.C. § 1335).

The case comes before the Court on cross-motions for summary judgment. The parties agree that there are no disputed material facts and that the controlling legal question is whether the Chairman's resignation of Shewmaker from General Counsel to Senior Advisor constituted a "termination of employment of a supervisory employee" under the statute. This statutory construction issue is, of course, a legal question left to the Court on administrative review. Administrative Procedure Act, 5 U.S.C. § 706.

On the basis of the extensive administrative record filed in the case, the relevant legislative history and the memoranda of the parties, the Court finds that Shewmaker was "terminated" in an illegal manner. Summary judgment will be entered for plaintiff, ordering his reinstatement as General Counsel of the ITC.

**I. Background**

The International Trade Commission is an independent

## Final document/blog post

**California Supreme Court Opinion A Game Changer for Discrimination Cases**

By Ranil Mirzakhi, FOUNDER AT MIRZAKHI LAW, APC

On May 4, 2015, the California Supreme Court unanimously decided a case that will be a game-changer for lawsuits brought under California's Fair Employment and Housing Act (FEHA). In *Williams v. Chino Valley Independent Fire District*, the Court addressed the issue of when losing FEHA plaintiffs may be required to pay their opponents' case costs. The Court held that a losing plaintiff may be ordered to pay a prevailing defendant's costs only if the "court finds the action was objectively without foundation when brought, or the plaintiff continued to litigate after it clearly became so."

Williams was a firefighter who sued his employer for disability discrimination in violation of FEHA. Williams lost the case on a summary judgment motion. The trial court then awarded the employer defendant costs totaling \$C.368,888.

5 updates by P. Aravindan, N. Fuentes and 3 others • 42

**Criminal Law**

Sort by Score Sort by Date

Pin to Criminal Law

Share this community with others. It gets better the more people use it!

USERS FOLLOWING CRIMINAL LAW (2499)

- Sam Kantin
- Jenny Carroll
- Tamer Sheikhead
- Richard Friedman
- Josh Law

When Well Motivated Good Intentioned People Do The WRONG Thing

TwitterFacebookLinkedIn One of my biggest fears as a criminal law attorney is knowing my representation failed to prevent a wrongful conviction. Episode 294 Duration: 14:21 | Subscribe iTunes | Google Play | Android | RSS | Direct Download | PUMES | GOOGLE PLAY | ANDROID | RSS | DIRECT DOWNLOAD | The Blum Legal Clinic Center...continue reading

En banc 11th Circuit rules in "Doe v. Glocks" case

The en banc 11th Circuit opinion in the "Doe v. Glocks" case is here. There are two majority opinions for the en banc Court, one by Judge Jordan and one by Judge Marcus. Judge Jordan's opinion is joined by Chief Judge Ed Carnes and Judges Hull, Marcus, William Pryor, MARIS...continue reading

"Accounting for Violence: How to Increase Safety and Break Our Failed Reliance on Mass..."

\* Possible accounting of what Mayor Emanuel sought from AG Sessions to deal with Chicago's gun violence | Main February 16, 2017

The title of this post is the title of this notable new report from the Vera Institute of Justice authored by Danielle Sered...continue reading

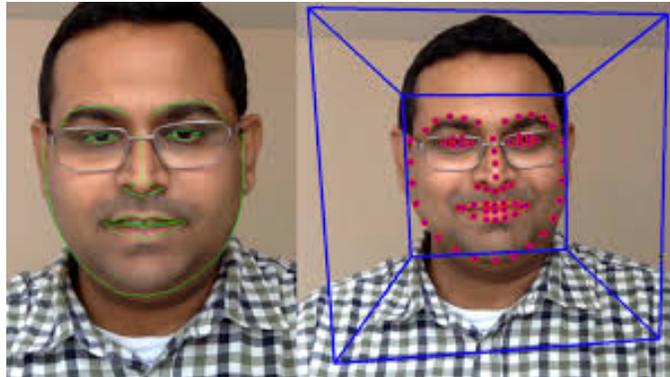
Disorderly conduct in the use of a drone and the hazards of going pro se

Village of DeForest, v. Alesia Strohachio, 2016AP014, 2/16/17, District 4 | 1-judge opinion, ineligible for publication | case activity

Just how did Strohachio misuse the drone? Unfortunately, we do not know. He proceeded pro se and neglected to include a copy of the trial transcript in the appellate record. It is the...continue reading

# Other Technologies

## Facial Expression Recognition Forecasting – Legal Fee Estimation



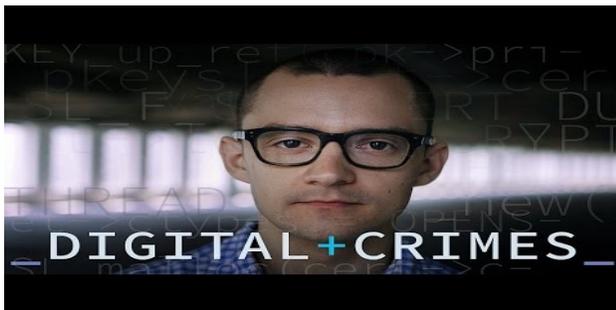
# Facial Expression Recognition

Combining camera technology with Artificial Intelligence to recognize facial expressions and identify a persons mood, gaze, etc. – i.e. the persons general state and well-being

*“Ellie is a psychologist, and a damned good one at that. Smile in a certain way, and she knows precisely what your smile means. Develop a nervous tic or tension in an eye, and she instantly picks up on it.*

*She listens to what you say, processes every word, works out the meaning of your pitch, your tone, your posture, everything. She is at the top of her game but, according to a new study, her greatest asset is that she is not human.”*

Now take this solution to the court room to verify if the person in the witness stand tells the truth! This may not be operational today – but will likely be possible soon



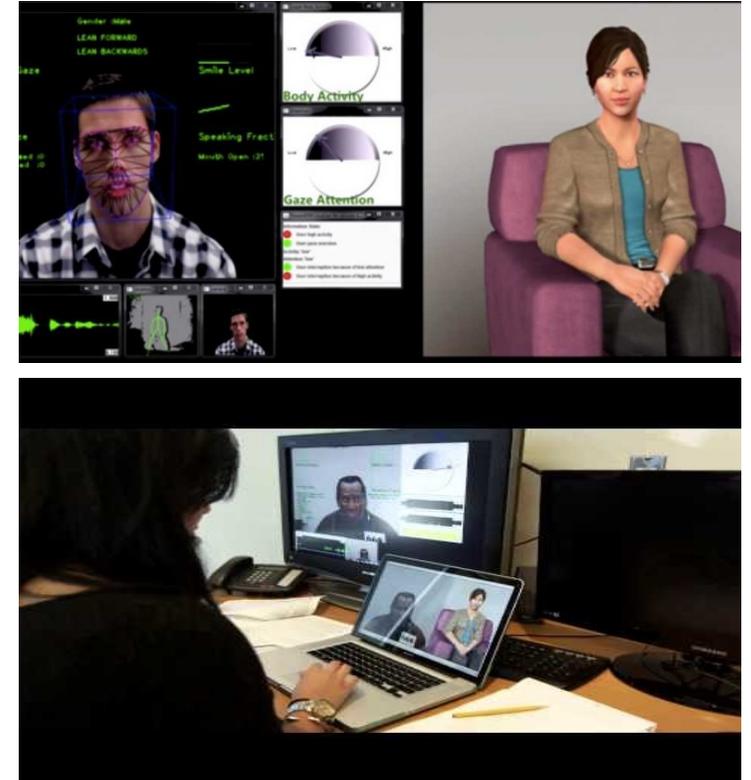
How facial recognition caught a 40-year fugitive.

Video: <https://www.youtube.com/watch?v=E68PmIE2-YE>

## Data point:

A researcher at Cambridge University has collected 12 Billion facial expressions (facial data points) from people all over the world!  
To be used for Facial Recognition Software

## Meet Ellie – the AI Psychologist



Video Simsensei / Multisense:  
<https://youtu.be/I2aBJ6LjzMw>

# Legal Fee Estimation Example: Forecast.it

**LOCATION:** Denmark

**URL:** <http://forecast.it>

## INFO:

- Founded 2016 – 11 - 50 employees
- Create predictability in pricing
- Forecast.it use AI and Machine Learning to constantly improve the quality of your estimates
- Combines anonymized data from 5.000+ projects to help you improve your estimation
- As the project develops and tasks get more specific, the system is simultaneously updated with more data. Since the machine is constantly learning how your team works, Forecast.it helps you update your project estimates.
- Using Forecast.it, companies are now planning projects with 94% accuracy!

## TECHNOLOGY:

- Web based estimation platform
- AI & Machine Learning

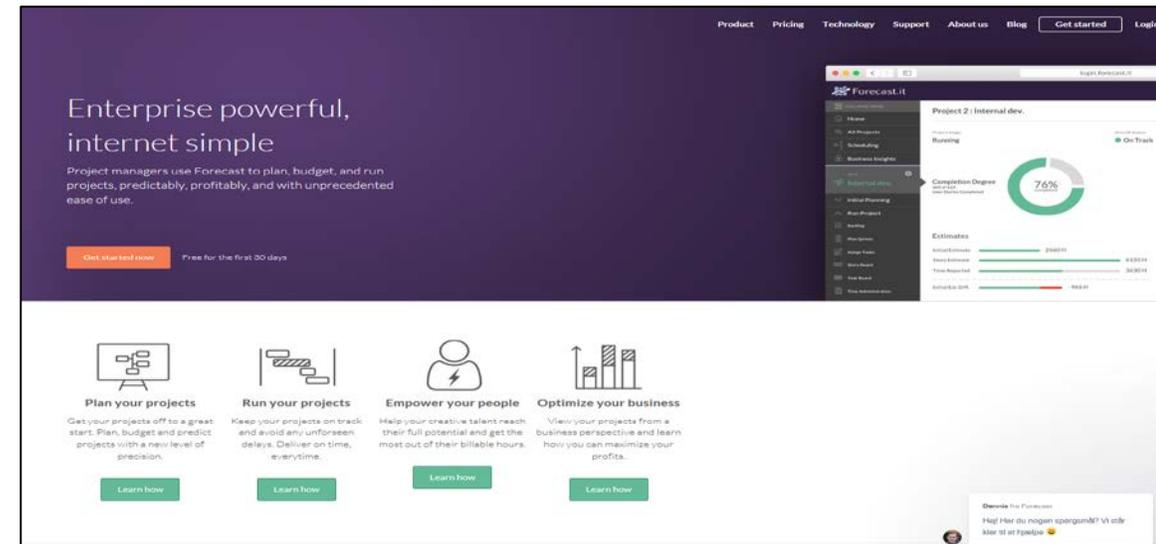
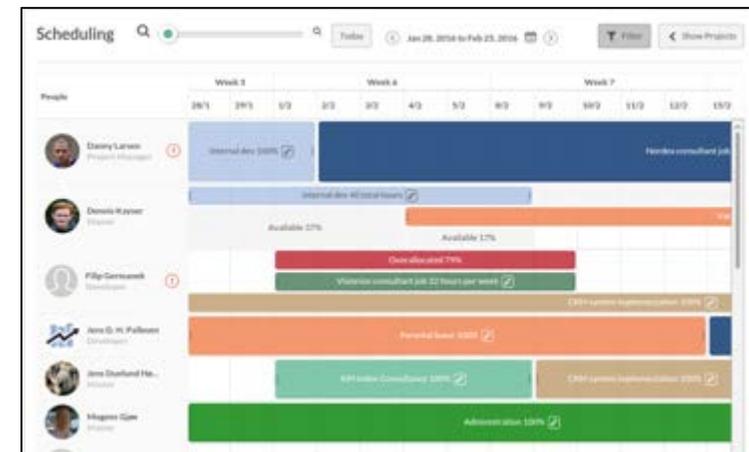
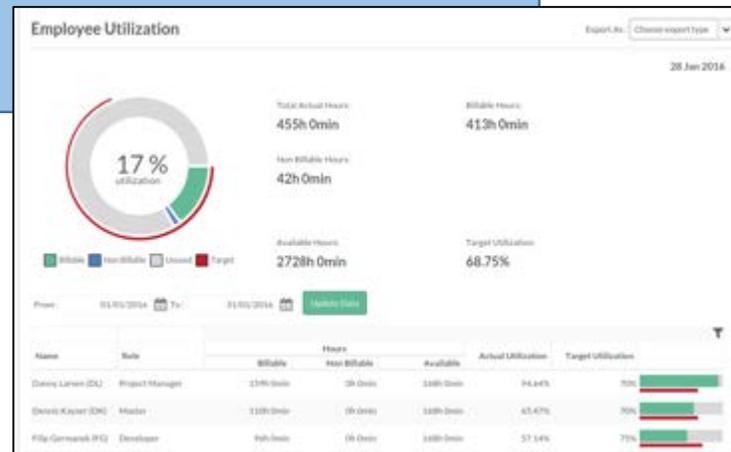
## Connect your existing project tools

Forecast works just like you and with the tools you already use. All existing information about your projects gets automatically synced to Forecast. Time tracking, tasks, todos, issues, and agile boards all get sucked into Forecast and made smarter.

[Learn how](#)




10+

# Access To Justice (A2J)



# Definition and solutions to be offered

## **Classical:**

- Access to getting cases solved at the court – traditional discussion about costs, legal expenses insurances (retshjælpforsikring), free process

## **Extended:**

- The accessibility of qualified legal advice – the appreciation of legal contexts

## **Economy:**

- Focus is "Access to Justice" – what it means to assert a persons rights / make a persons rights applicable
  - As an example, in public proceedings, in order to get your "right" / get your way you either have to have legal help or be able to understand legal contexts on your own

## **Solutions:**

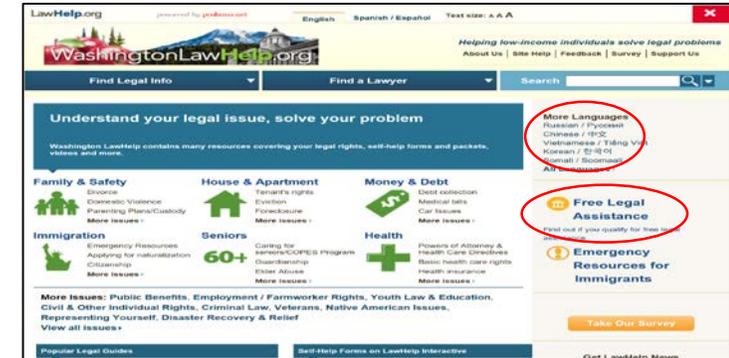
- Increase the access to and availability of knowledge for free on the internet
  - Today a lot of communication is based on a transcript of the law which is too hard to interpret for most people – as they don't have the prerequisites to read / understand the legal texts
  - Accessibility via animations, videos, pictures, chatbots, etc.

# Example of Solutions for Pro Bono Work

- **Probono.net – Platform for the Pro Bono lawyer**
  - Contains tools, templates, guidance, training etc. for lawyers providing pro bono work
  - Ensures access to consistent and relevant quality guidance across the country
  - Provides an overview of the (governmental) places to seek information about rights, obligations, etc.
- **LawHelp.org + Civil Resolution Tribunal – Platform for Low Income clients**
  - Provides help, templates, guidance + an online tribunal tool
  - Focus: civil legal issues e.g. small claims disputes about contracts, debts, personal injury, personal property, etc.
  - Chatbox functionality w. real lawyers working pro bono

Areas of assistance:

<p><b>Family &amp; Safety</b></p>  <ul style="list-style-type: none"> <li>Divorce</li> <li>Domestic Violence</li> <li>Parenting Plans/Custody</li> <li>More issues &gt;</li> </ul>	<p><b>House &amp; Apartment</b></p>  <ul style="list-style-type: none"> <li>Tenant's rights</li> <li>Eviction</li> <li>Foreclosure</li> <li>More issues &gt;</li> </ul>	<p><b>Money &amp; Debt</b></p>  <ul style="list-style-type: none"> <li>Debt collection</li> <li>Medical bills</li> <li>Car Issues</li> <li>More issues &gt;</li> </ul>
<p><b>Immigration</b></p>  <ul style="list-style-type: none"> <li>Emergency Resources</li> <li>Applying for naturalization</li> <li>Citizenship</li> <li>More issues &gt;</li> </ul>	<p><b>Seniors</b></p>  <ul style="list-style-type: none"> <li>Caring for seniors/COPES Program</li> <li>Guardianship</li> <li>Elder Abuse</li> <li>More issues &gt;</li> </ul>	<p><b>Health</b></p>  <ul style="list-style-type: none"> <li>Powers of Attorney &amp; Health Care Directives</li> <li>Basic health care rights</li> <li>Health insurance</li> <li>More issues &gt;</li> </ul>



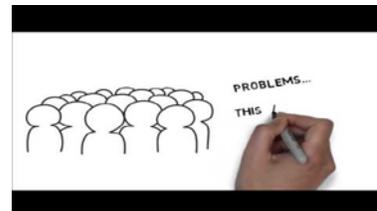
<http://www.lawhelp.org/>



Video – LawHelp:  
<https://youtu.be/jlt9dbrJ5hY>



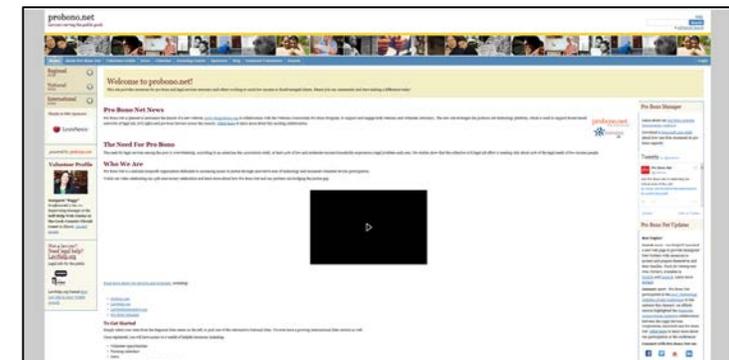
Video – Probono.net:  
<https://youtu.be/xYf1ZquX9cU>



Video – Civil Resolution Explorer:  
<https://youtu.be/-wbmqjVjXxw>



Video – Free Legal Answers:  
[https://youtu.be/1DQzZkTcl\\_M](https://youtu.be/1DQzZkTcl_M)



<https://www.probono.net/>

# Example of A2J Incubator: Hiil

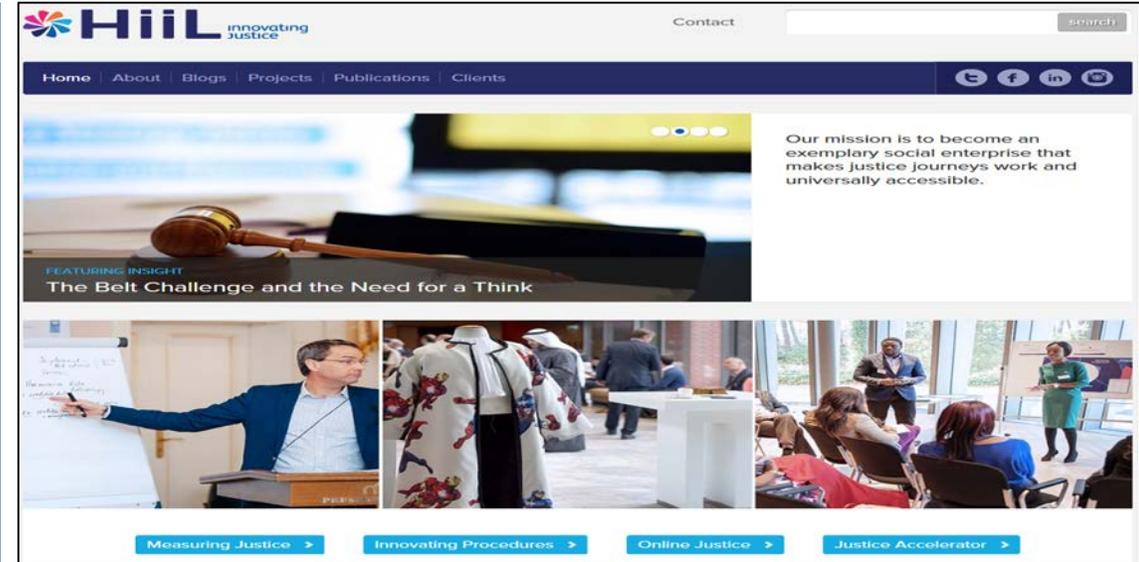


LOCATION: NL

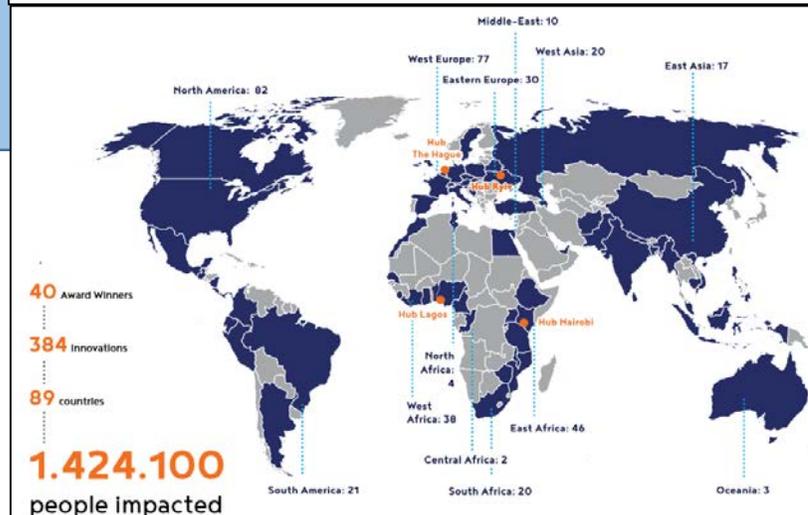
URL: <http://www.hiil.org/>

INFO:

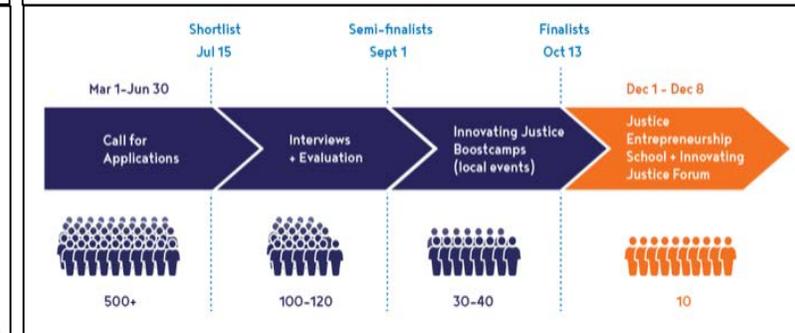
- Founded in 2005 – 11 – 50 employees - The Hague Institute for Innovation of Law (Hiil)
  - Not-for-profit institution focusing on global Access To Justice (ATJ)
  - Partnering with NGOs, governments and legal entrepreneurs to improve rulemaking and conflict resolution processes
  - Operates in 11 countries: Nigeria, Kenya, Uganda, Jordan, Tunisia, Lebanon, Mali, Bulgaria, Ukraine, The Netherlands, and the United Arabic Emirates
- “Justice Entrepreneurship School” in The Hague
  - “Innovating Justice Challenge” – Accelerator Program
  - Access To Justice Startup areas:
    - Human Rights (24%)
    - Corruption and Transparency (22%)
    - Employment and SMEs (18%)
    - Dispute Resolutions (13%)
    - Family & Children (11%)
    - Security (5%)



Vision: Provide ATJ to 20M people in 2020



Innovating Justice Challenge 2017 – Accelerator Program



ATJ Startup results:

Evaluated <b>+1600</b> applications	Shortlisted <b>384</b> promising Justice Innovations
Awarded <b>40</b> top notch Justice solutions	Invested <b>€460.000</b> In seed funding
Launched <b>10</b> Innovating Justice Challenges	Organised <b>11</b> local events and <b>6</b> Innovating Justice Forums

Justice Accelerator's social return on investment

For every 3 euro we spent, 1 person got access to justice

Every 1 euro we spent unlocked another 6 euros of investment in justice

Every 1000 euro we spent created 1 job and an average of 3 livelihoods

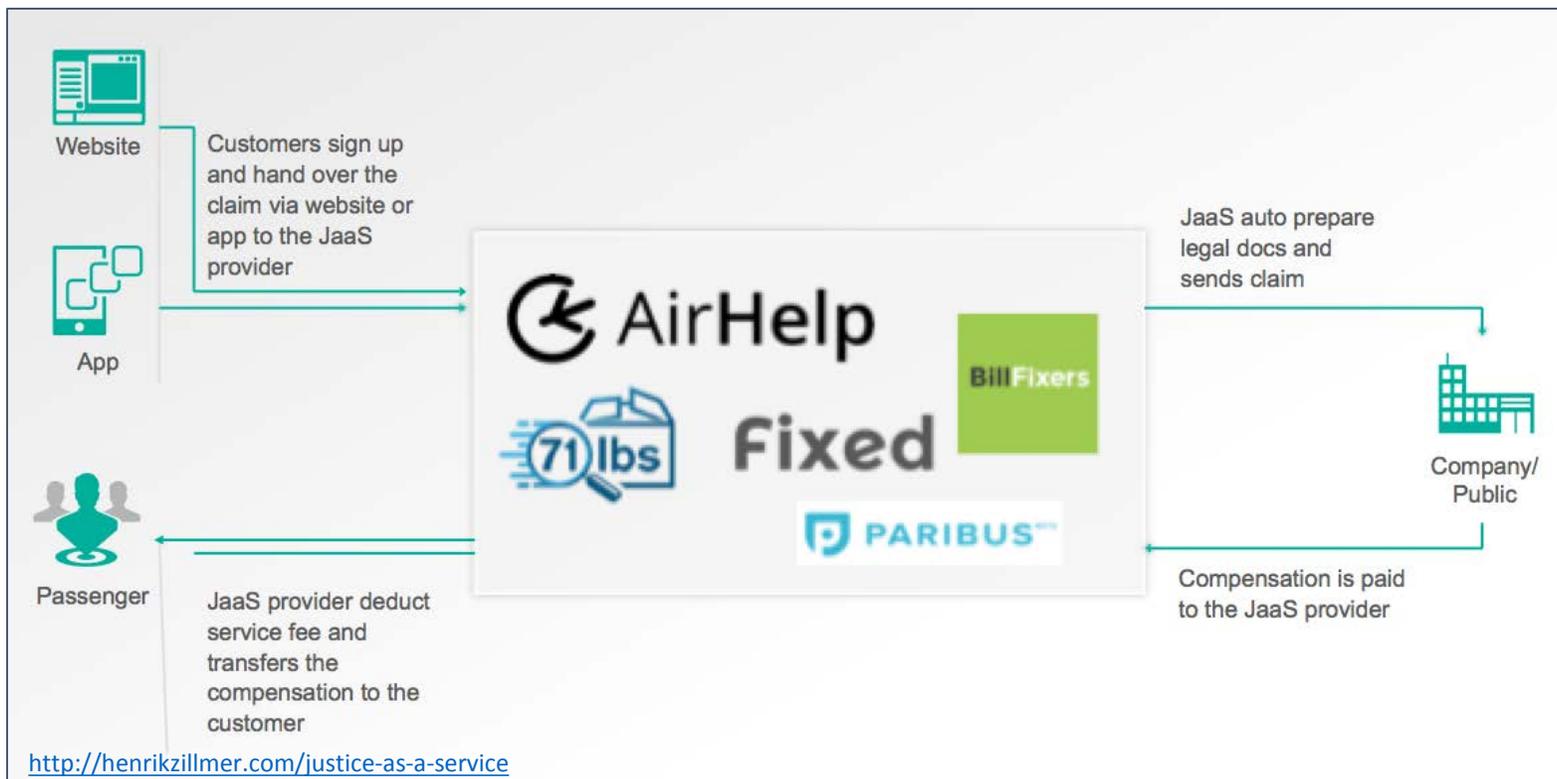
MUST READ:

ATJ / Accelerator Program Presentation

<http://www.hiil.org/data/sitemanagement/media/HJA%20Impact%20Report.pdf>

# Examples of Justice as a Service – JaaS

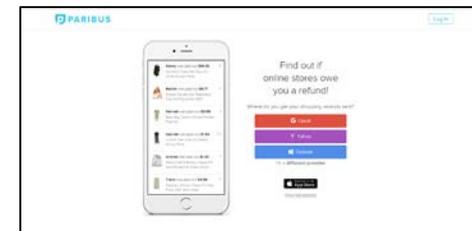
Typically "no cure – no pay"



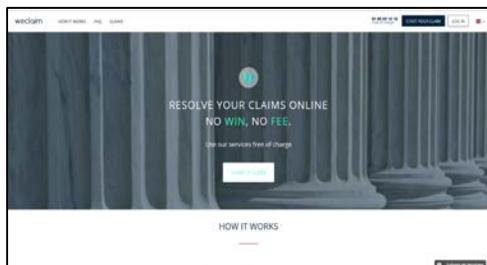
<https://71lbs.com/> - Claims against UPS & Fedex



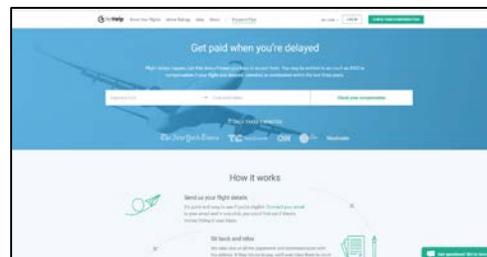
<https://billfixers.com/> - Renegotiate bills from Telecom providers



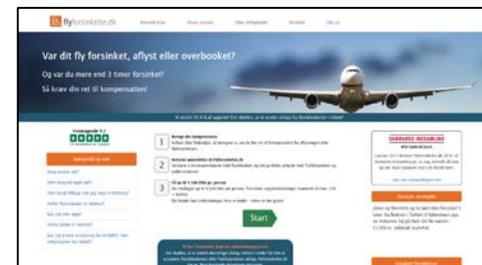
<https://paribus.co/> - Refunds from stores



<https://www.weclaim.com/en-GB> (6 lande)



<https://www.airhelp.com>



<https://www.flyforsinkelse.dk>



<https://www.fixedlaw.com/> - Traffic Tickets Acquired by Lawgix:  
<http://www.lawgixlaw.com/>