Strategic Foresight Workshop How to Anticipate & Activate Growth Opportunities



Garry Golden futurethink



Foresight Workshop: September 29, 2016

Start





Foresight 101: Key Activities

Step One Identifying & Monitoring Change

Horizon Scanning
 STEEP Category:

 Society
 Technology
 Environment
 Economy
 Politics

 Emerging Issues Analysis
 Indicator Analysis
 (Leading vs Lagging)

Step Two Exploring Implications

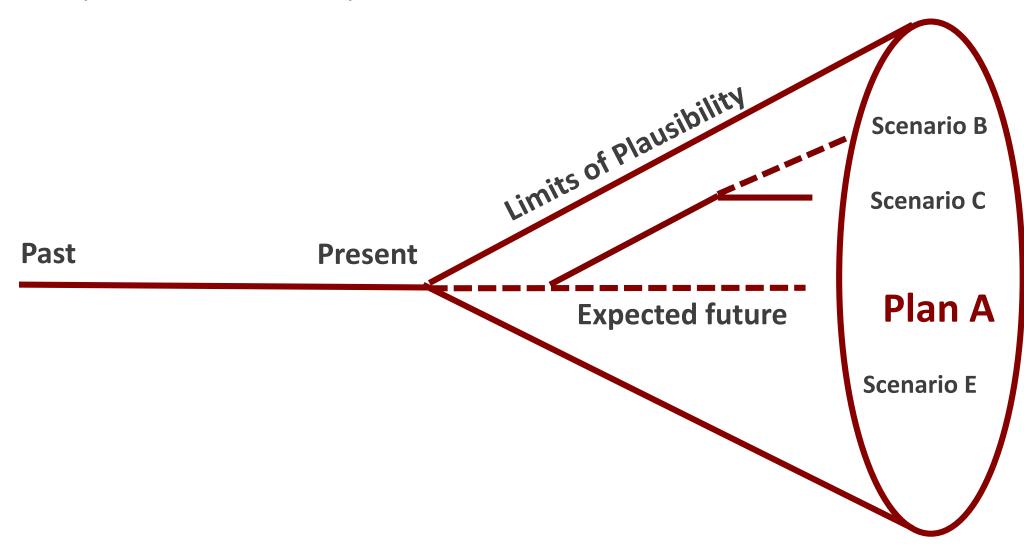
Forecasts
 (Trend Extrapolation)
 Scenarios
 (Alternative Assumptions)

Step Three Communicating the Need for Change

Visioning
Backcasting
Planning
Goal Setting
Objectives - Actions
Roadmapping

Foresight 101: Cone of Plausibility

Multiple Outcomes, Multiple Time Horizons



Foresight as Front-End of Innovation and Growth Strategies



Forecast-based Thinking:

- Confidence in assumptions
- Stable marketplace/culture
- Focus on 'Prediction' (What should happen)



Scenario-based Thinking:

- Unsure of dominant assumptions
- Markets shaped by uncertainty
- Focus on 'Anticipation' ('could happen')
- Manage uncertainty across a range of plausible outcomes
- Focus on continual monitoring of change

Could we write the Four Futures of Bing?



Activity: Trend Cards

Output: Generate Ideas that Solve Problems + Grow Business



In 2016 wearable overve surpass \$140 million and \$30 billion in revercompanies are integrating the design of user experience real-time analytics and the popchology of behavior charan real-time enalytics and the popchology of behavior charanreal-time enalytics and the popchology of behavior charanter time enalytics and the popchology of the popcholog

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 Buzzwords to Watch: Gamilication; Quantineu - M Movements: Neuromarketing: Persuasive Technolo Wearables

Mindfulness + Mental Health

of non-judgementar locus and active awareness to present. The protection has shown scientifically varial benefits to health, productivity and collaboration. World Health Organization estimates stress costs Ar businesses \$300 billion annually. International business school INSEAD and Singapon Management University found employees who prate mindfuness have less stress, are more open to feee and are botter at making decisions, seeing ethical

minuturies nave less stocs, are more open to reord and are better at making decisions, seeing ethical challenges, and generating insights. Mindfulness programs have been implemented at Ae Green Mountain.

onstrated that mine

futurethink

INNOVATION SIMPLIFIED



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Opportunity Examples:

Show Connections to Decision making INSEAD and The Wharton School of the

amployees to better avoid negative deck do D. Flaved candidation teaming blood available with sturk costs' where organizations conmoney at worsening problems. Quantify and Show Bottom Line Connes their life minimum calls. improvement in skepa quality and a 194 improvement in skepa quality and a 194

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and program design or and build foundar wellness? In Devices to deliver reduction in workplace injuries.

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Alternative Constraint Layers

Fictional Event Cards:

- □ New Laws + Regulations
- New Competitors
- New Internal Rules
- New Leadership
- Disruptive Wildcards

Long Game: Best Design Constraints for Bing Team Trend Deck





ARUP: Drivers of Change

OCAD: The Thing from the Future

Trend Cards



Designing for Behavior Change





Aging Populations

1990 2010 2010 2020 2030 2050 2050

Population over 60 by region

0261

2,000

Millennials Grow Up



Natural Language Intelligent Assistants



The "She-Conomy" Goes Global



People Analytics

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Blockchain Applications



Next-11 Emerging Economies



Less developed regions Rise of Cities + Urban Lifestyles



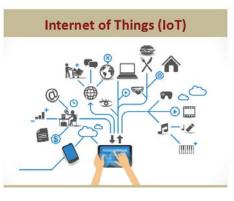




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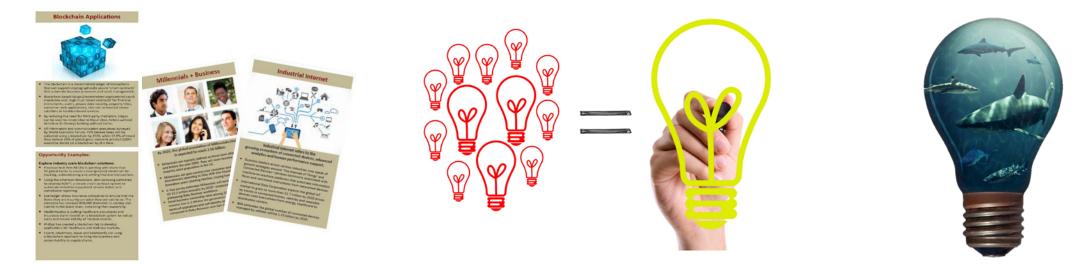
Mindfulness + Mental Health





Activity: Trend Cards

Output: Generate Ideas that Solve Problems + Grow Business



Trend Cards

Generate Lots of Ideas then Select One Path

Shark Tank Business Idea

Activity: Trend Cards

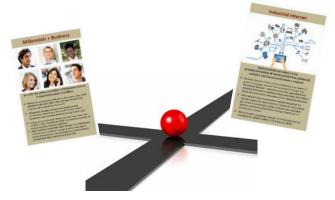
Output: Generate Ideas that Solve Problems + Grow Business



Trend Cards

1) Breadth via Events + Intersections of Change





	Team 1	Team 2	Team 3
Horizon 1	Degreg to feasible Corpor	See C	Backlash Approxime
Horizon 2	Rise of Cities + United (Destupes	Blockshain Applications	<u>نة</u> 2

Alt Version: Focus + Depth on Single Driver of Change



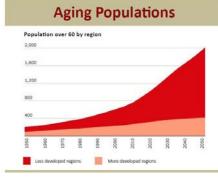
Two Trends, Two Horizons

	Team 1	Team 2	Team 3
Horizon 1	Designing for Behavior Change	Natural Language Intelligent Assistants	Blockchain Applications
Horizon 2	Rise of Cities + Urban Lifestyles	Blockchain Applications	Natural Language Intelligent Assistants

Facilitation Notes:

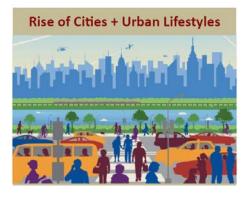
- 1) Distribute set of 5-6 trend card to small teams
- 2) Ask to discuss implications and vote on most important trend over two time horizons (Now-18 months; Beyond 3 years). They vote using trend image placards; placed on matrix table (above)
- 3) Whole room discussion on voting results (e.g. shared assumptions; outliers; horizon learning curves)
- Teams return to table with task to pick one trend (from their choices or new trend).
 Follow ideation process for generating growth strategies

Opportunities & Constraints Shaped by Intersections of Change



Designing for Behavior Change





Millennials Grow Up





Natural Language Intelligent Assistants







Social Inclusion: Society as Stakeholder



The "She-Conomy" Goes Global



Natural Language Intelligent Assistants







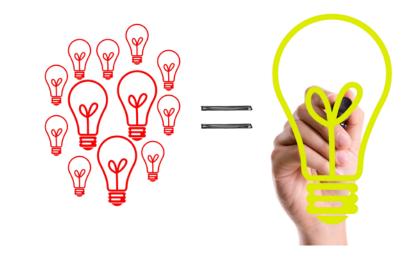




Activity: Trend Card Poker

Output: Generate Growth Strategies @ Intersection of Change





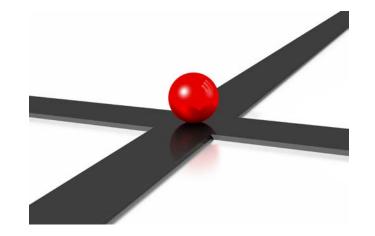


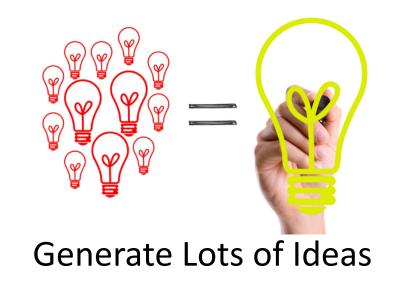
Discuss Implications Generate Lots of Ideas then Select One Path

Business Idea Shark Tank

30 minutes

- **1. Discuss Broad Implications Set of Trends**
- **2. Choose Intersection of Two Trends** Horizon: Beyond 2018
- 3. (Alt: Receive Event Cards)
- 4. Ideate at the Intersection of Change
 List Ideas that Solve Problems
 + Grow Your Business
 (No debating...Write...)





10 minutes

List Ideas that will

Get You....



12 July 8

20 minutes

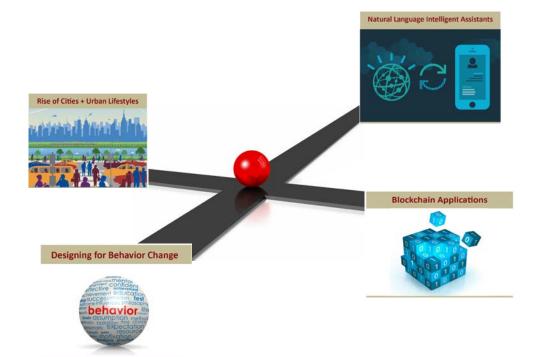
- Select one (1) Growth Idea Beyond 2018...
 Internal or External
- Create 'Shark Tank' Pitch on Business Idea Name Idea Draw It...
 Prepare Your 90 Second Pitch



90 Second Pitch

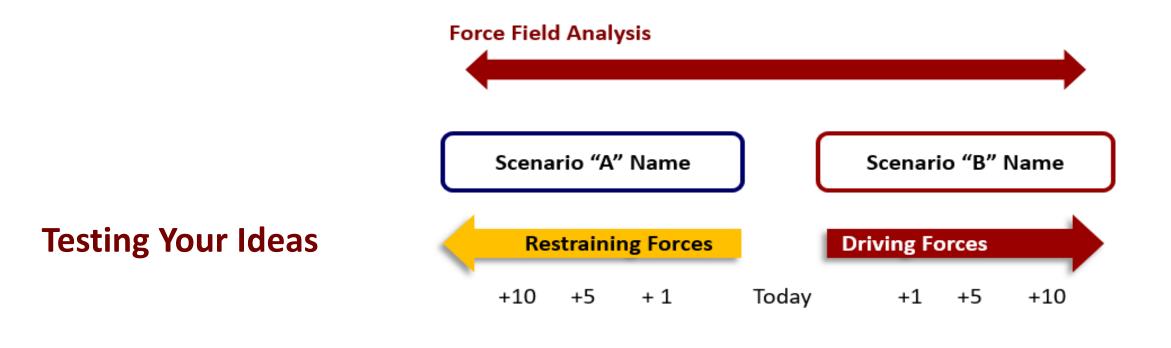




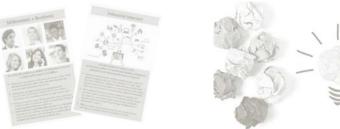














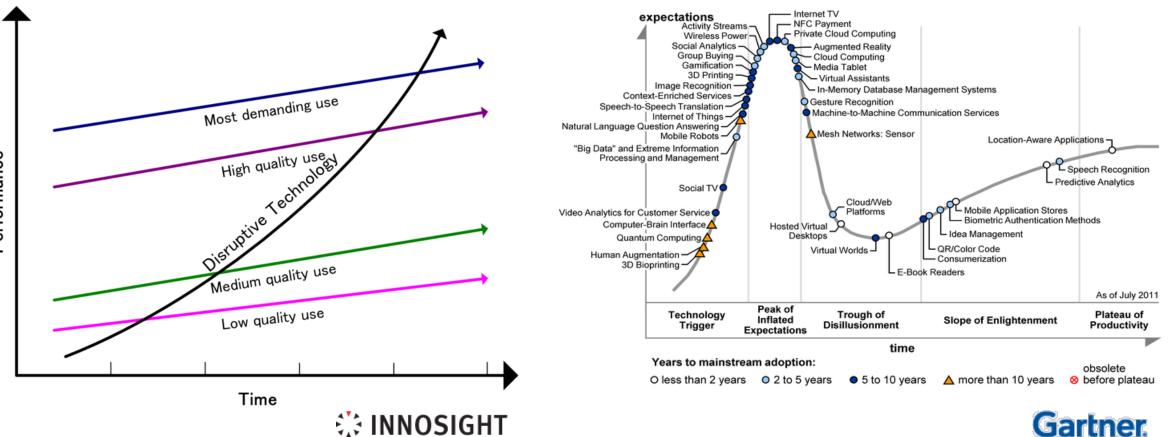
Activity **Trend Cards**



4:00 p.m.

4:45 p.m.

Hype + Hope: The Slow pace of Fast Change



Activity: Futures Wheel

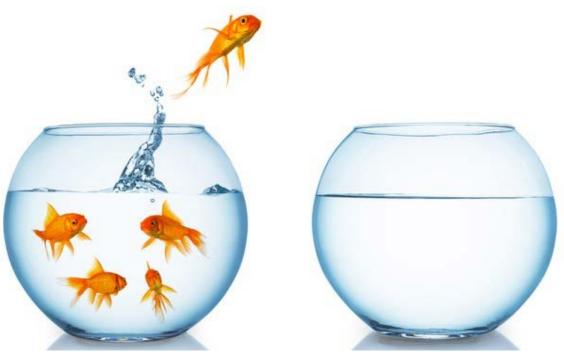
Output: Business News Headlines from the Future



Imagine Business New Headlines 2018-2030

You can't trust your judgement if your imagination is out of focus. Mark Twain

Habit: Taking Mental Leaps of Radical Change



News Headlines from...

2005 World without **Civilian Drones**

2015 World with **Civilian Drones**

Amazon provides new details on its plan for a drone superhighway in the sky

By Ben Popper on July 28, 2015 12:33 pm



Drones Used to Stop Elephant and Rhino Poachers in Africa

by ELISHA FIELDSTADT





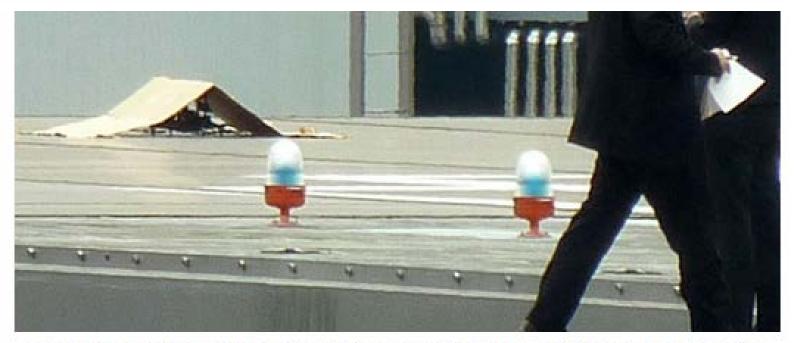
Business Insider @businessinsider · 56m The Connecticut teen who rigged a drone with a handgun has been charged with assault read.bi/1SFbUYB



Arrest after drone with radioactive material lands on Japan PM's rooftop

By Junko Ogura, CNN

() Updated 11:53 PM ET, Fri April 24, 2015



A small drone covered with cardboard is seen on the roof of PM Shinzo Abe's official residence in Tokyo on April 22, 2015.

Serbia and Albania game abandoned after drone invasion sparks brawl

By James Masters, CNN

updated 6:11 AM EDT, Wed October 15, 2014



STORY HIGHLIGHTS

 NEW: Brother of Albanian PM was arrested after the brawl, Serbian PM's office says (CNN) -- Ethnic tensions in the Balkans and an incident involving a drone led to the abandonment of a major European international football game Tuesday.

Report: FAA probing Cowboys for using drones illegally

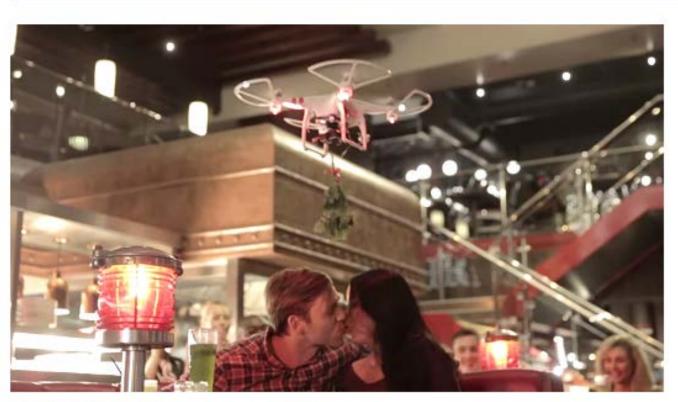


G. I. McCarthy/Staff Photographer

TGI Fridays drone delivers bloody 'mistletoe mischief'

Karma Allen | @iam_karma Tuesday, 9 Dec 2014 | 12:20 PM ET

SCNBC

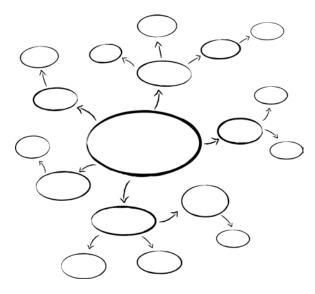


Source: TGIF | YouTube

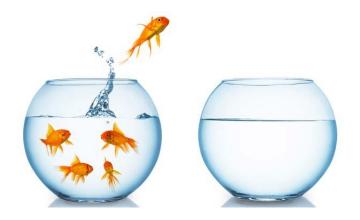
The drones were intended to hover over couples and inspire a little "mobile mistletoe mischief," according to TGI Fridays.



Imagine if you had seen those as 'fake' headlines in 2005!



Futures Wheel Technique: Taking Mental Leaps



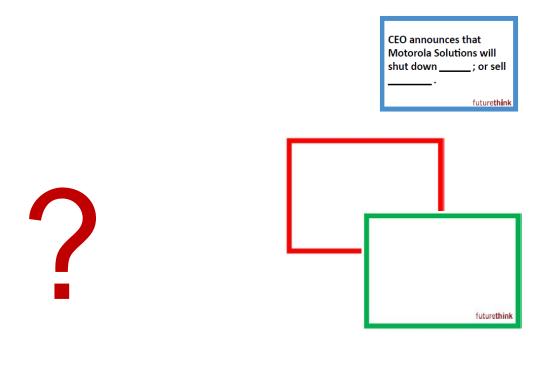
News Headlines from...

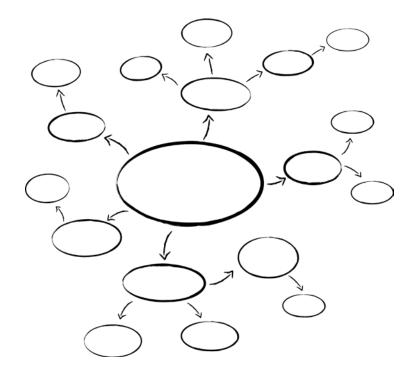
- **New Policies for Privacy**
- **New Industries + Business Models**
- □ AI Driven Digital Experiences
- **Blockchain**

The Futures Wheel



** Popularized by Joel Barker





Event

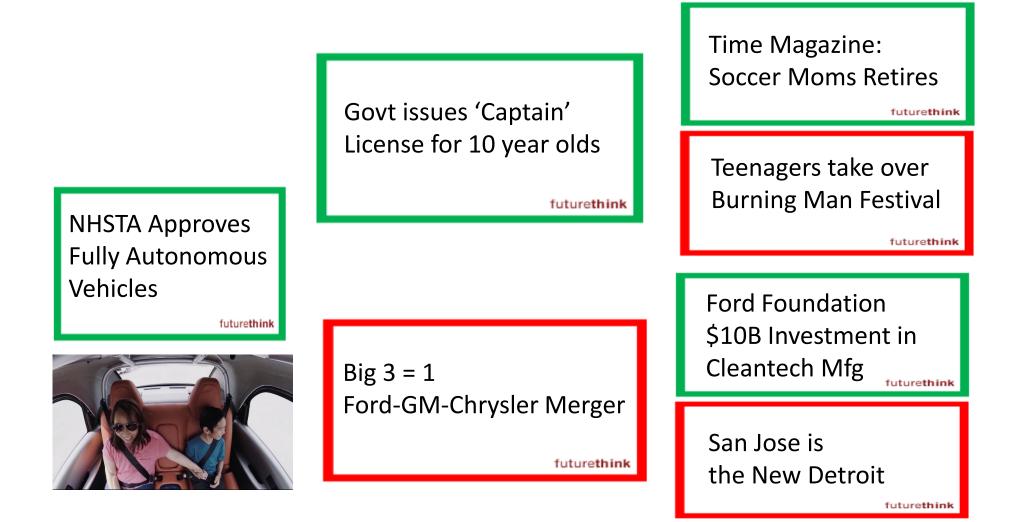
Headlines

Multiple Future Outcomes

Tips on Creating Headlines

- Bring it to Life
 (e.g. familiar people, places and companies)
 Leap, Don't Tweak
- □ Art of Double Take

Generic Traffic accidents down 30%	Bring it to Life Nationwide Insurance goes bankrupt
AI destroying service jobs	Congress passes Universal Basic Income Law
Voice search at 80%	Pew Survey: Millennial Parents fear their children won't learn to text



Future Implications of Embedded Micro Fuel Cells







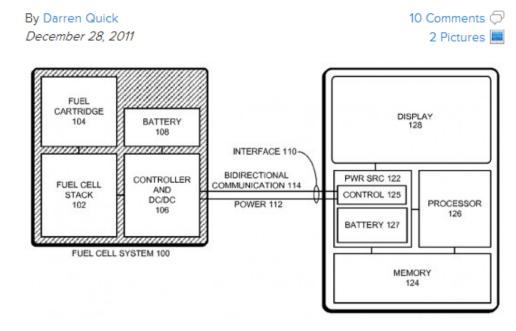
'Power Plants' \$1 - \$10 - \$100

Retail Shelf based Fuels 'Unplugging' / Personal Fuel Packets

Seeing Signals + Taking Mental Leaps

MOBILE TECHNOLOGY

Apple files patents for hydrogen fuel cell technology to power mobile devices

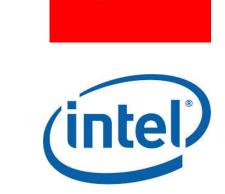


A phone battery that lasts a WEEK is on its way: Smartphone maker signs deal to add tiny hydrogen fuel cells to handsets

- Hydrogen-powered cell can give handsets up to a seven-day battery life
- It is so thin it fits inside current handsets without making them bulkier
- Fuel cell contains a battery that creates energy from hydrogen and oxygen
- Intelligent Energy has previously tested the technology on the iPhone 6

By VICTORIA WOOLLASTON FOR MAILONLINE PUBLISHED: 11:46 EST, 8 February 2016 | UPDATED: 04:53 EST, 9 February 2016





Hardware Makers Unite





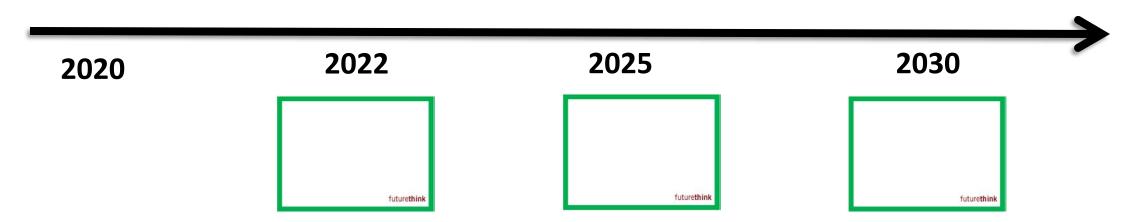
The Cordless Christmas



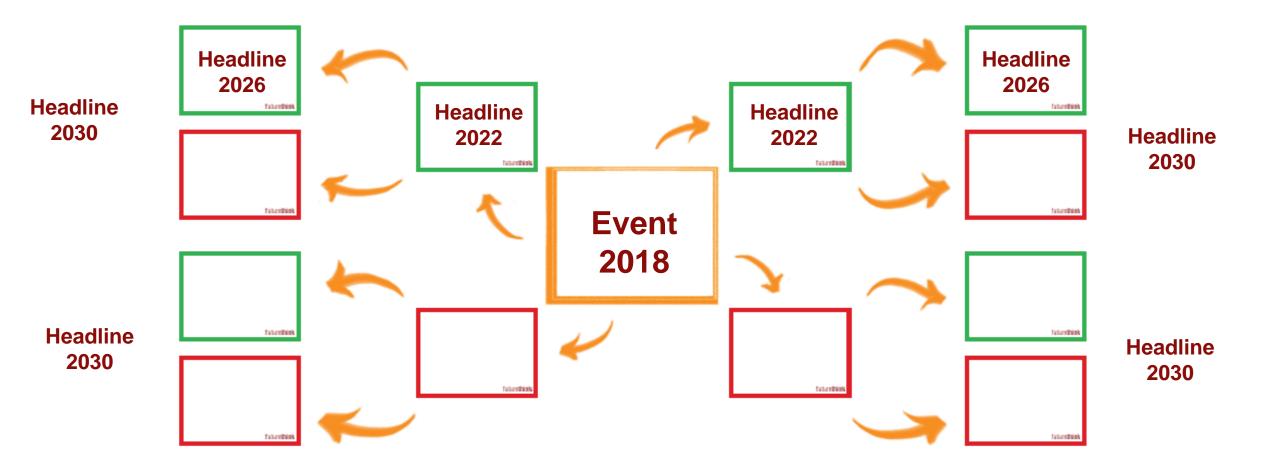
House Construction without Electrical Sockets



#1 Fuel Distributor



Your Turn to Create Headlines from the Future!



Or borrow from...

Pew Survey: 40% of College Undergrads Use Intelligent Assistant

Make up your Headline! Starter Event from 2018 - 2022

Global Ad Agencies Launch
 Blockchain Ad Network;
 Google shares down 20%

Time Magazine Person of Year: Toyota Home Robot for Seniors

















Activity Trend Cards Activity **Futures Wheel** **Next Steps**

What do we need to unlearn? Biggest Risk...? Biggest Opportunity...? Bridges to future...?





Visit: www.futurethink.com Email: ggolden@futurethink.com



Structure Brainstorming: Redefining the Problem



Activity: Tell Me Why It Won't Work!

Looking for an activity to shock your team and surface critical, but often unspoken issues?

Design a 30 minute rapid fire meeting where you ask everyone to give reasons why a project won't work. Aim high for 20-40 reasons why an idea might... lack support, miss changing customer attitudes, et al. Then have groups vote on the best reasons for why a project might fail. Hand out prizes to top winners who provided those ideas. Now you have a list of barriers to change.

Next design a half day session where staff work against the list developing counter strategies to reframe barriers in a way that the problems can be solved. Now you have a set of potential solutions to internal and external barriers to change.