

Ray Smets, Chief Executive Officer

Corporate Overview

- +15 year history delivering <u>FPGA-based technology</u> to customers globally
- Unparalleled expertise accelerating compute-intensive applications on standard open servers
- High-tech solution with 22 patents & patents-pending provides high barrier-to-entry for competitors
- Solid gross margins and highly leverageable business model
- Targeting rapidly expanding \$3.1B SmartNIC market by 2025
- Public company NAPA.OL

Top Tier Global Customers



























































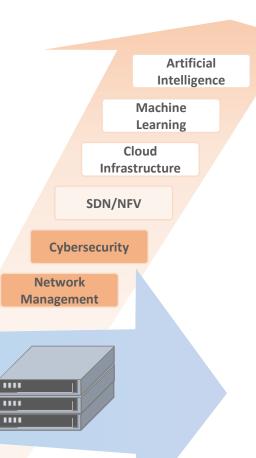
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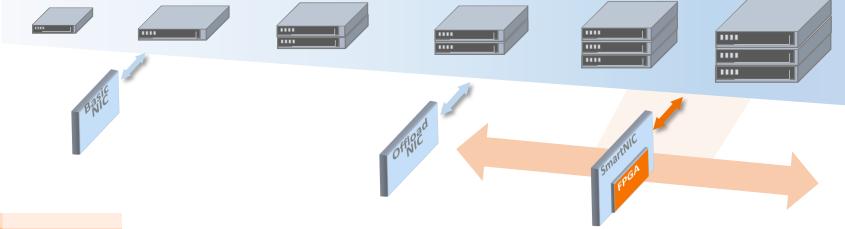


Napatech Sits at the Crossroads of Two Major Market Forces

More sophisticated and compute-intensive applications consuming and generating more data require more processing speed and power

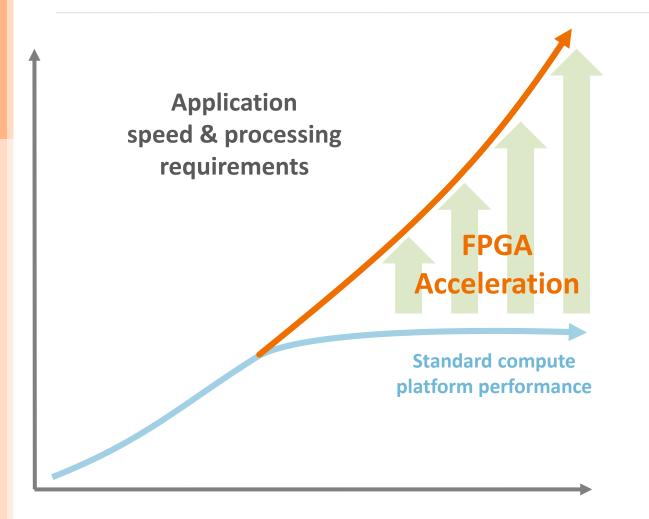
The SmartNIC is becoming the preferred solution to deliver faster computing on standard open servers







The Problem: Standard Compute Platforms Cannot Keep Up



Major industry players have focused their strategies on FPGA technology









The Solution: The FGPA solves the performance gap on standard compute platforms



The Coming of Age of Napatech's FPGA Solutions

Past Decade Faster Network Monitoring

FPGA's primarily used to improve network monitoring performance

Growing Cloud Adoption
Appliance Hardware
Premise-based Architectures



Now and the Future Application Acceleration

FPGA's have won the battle for application acceleration on reconfigurable standard open servers

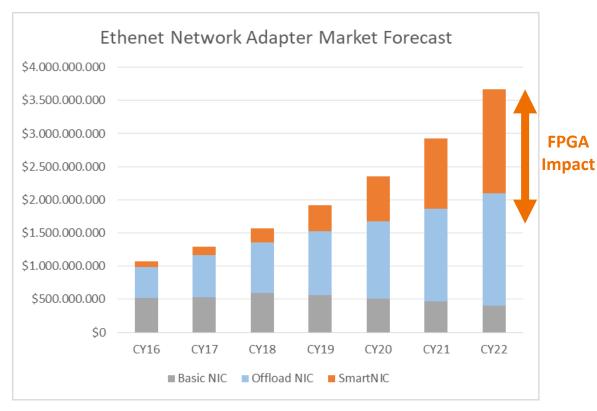
Massive Growth in Cloud, 5G Mobile & IOT
Standard Servers Dominate
Application & Software Driven

Napatech's FPGA Expertise Has Emerged into the Spotlight



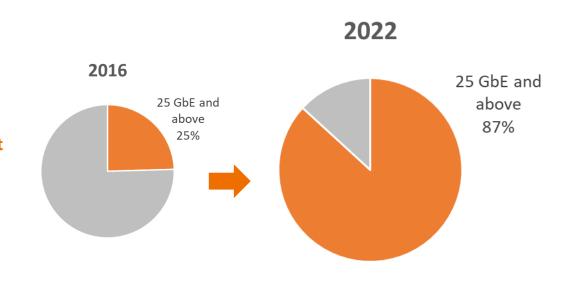
Market Opportunity for SmartNICs is Growing Rapidly

Market growing from \$1.5B in 2018 to \$3.7B in 2022 with SmartNICs the fastest growing category (80% CAGR)



Source: IHS Markit Ethernet Network Adapter Market Tracker Q3 2018 IHS Markit use the term "Programmable NIC" instead of "SmartNIC"

Need for higher speeds and more capacity driven by demanding data-hungry applications



Combined Offload NIC and SmartNIC market for 25 GbE and above Ethernet adapters is \$3.1B in 2025

SmartNIC market alone is \$1.4B in 2025



Napatech Reconfigurable Computing Platform





















Application Driven

napatech

FPGA Configuration Software

Network Management

Cybersecurity

Virtual Switching

Software-Centric



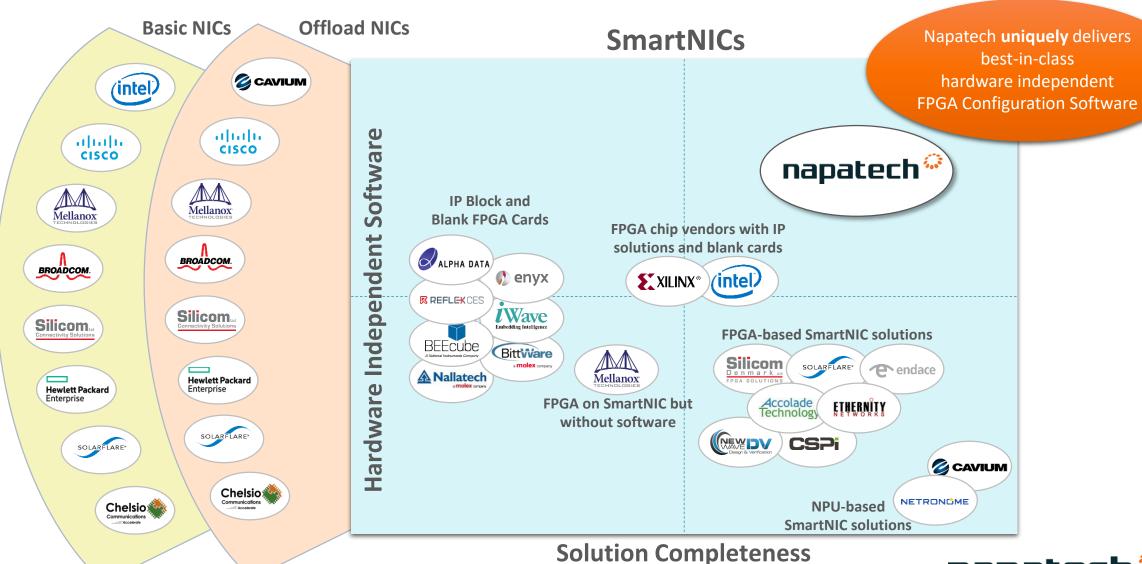
Price Range: \$1,500-\$10,000, Margins: around 68%



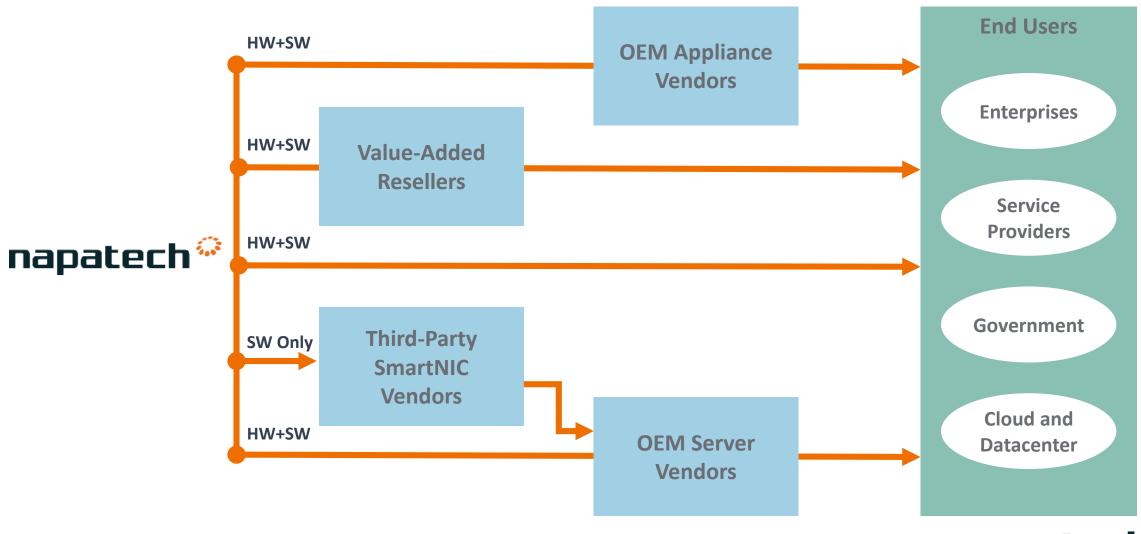
Hardware Independent



Why is Napatech Unique?



The Go-To-Market Plan



Napatech Future Revenue Growth

Revenues Today

- 69% of revenue is based on Network Management
- 20% of sales revenue from top OEM customer
- 79% of sales revenue from direct
 OEM and End-user sales
- 0% sales revenue from SW-Only



Revenues in the Future

- Drive growth in three product areas
 - Network Management +10%
 - Cybersecurity +40%
 - Virtualization Acceleration +80%
- Cybersecurity sales will eclipse
 Network Management by 2023
- Virtualization Acceleration growth could be the largest growth engine by 2025 driven by 5G mobile deployments
- Higher growth from SW-Only revenue
- New unbundled service revenue growth
- Expand sales through indirect value-added and strategic channels



Napatech Rides The Growth in Key Market Trends

The Standard Compute and

FPGA-Driven Era
FPGA-Acceleration primarily used for Network Management

3G/4G Mobile QoE

Financial HFT

Enterprise Network
Performance Management

FPGA-Driven Era
FPGA-Acceleration becomes main-stream as many applications need acceleration

Cloud Edge Computing

IoT Security and Network Performance

The Reconfigurable Computing and

The Digital Transformation Disruption

False dawn of software-defined virtualized networking and poor performance of software-only solutions on standard computing platforms causes disruption as need for acceleration is slowly accepted



Napatech

Sales

Performance

What's Different Now About Napatech?

Solely focused on our unique core competency:

We embrace our unique expertise in FPGA

FPGA Configuration Software is at the center of our new product strategy:

 We will access new growing markets in cybersecurity and virtualization, but we are doing it in a different way

Now is the time:

- The new mega-market areas are finally gaining traction, while our relationship with key industry players are also gaining traction
- The entire market now believes that the FGPA solution we deliver will solve the growing application acceleration opportunity

Leverageable business model:

 Our highly leverageable business model with new paths to the market allows us to grow and drive more profit



Why Napatech?

Large Market Opportunity

- FPGA SmartNIC market opportunity rapidly expanding to \$1.4B in revenue by 2025 with the opportunity to also address a further \$1.7B in the offload NIC market
- Establish Napatech as the leading supplier of FPGA-based solutions for networking and cybersecurity on Napatech and third-party SmartNICs

Positioned for Success

- Proven Technology with FPGA-based market leading reconfigurable computing platform
- Protected position in high-barrier-to-entry FPGA technology leadership market with competitive advantage in software market

World Class Team

- Seasoned at building exceptional solutions exceeding customer requirements
- Unmatched quality and customer satisfaction with loyal brand name customers



World Class Team with Deep Seasoned Industry Experience



Ray Smets CEO

30+ years' experience in security, cloud, networking, software and telecom industries



Heine Thorsgaard CFO

20+ years' experience in the IT and networking consulting industry



Jarrod J.S. Siket CMO

25+ years' experience in delivering solutions to the IT, networking, security and telecom industries



Flemming Andersen Chief Research and Development Officer

25+ years' experience in delivering solutions to the IT, networking, security and telecom industries



Henrik Brill Jensen COO

30+ years' experience including 20+ years' in management in IT, networking and telecom industries



Heidi Thisgaard HR Manager

25+ years' experience
Including 10+ years' in
HR in the IT, software
and telecom
industries

20+

Average years of experience of Napatech employees

15+

Average years of engineer FPGA experience



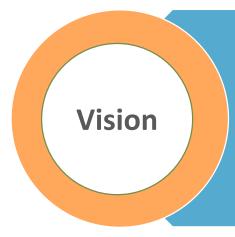
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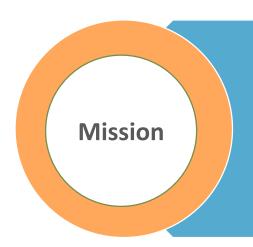
Back-Up Information



Napatech Vision & Mission



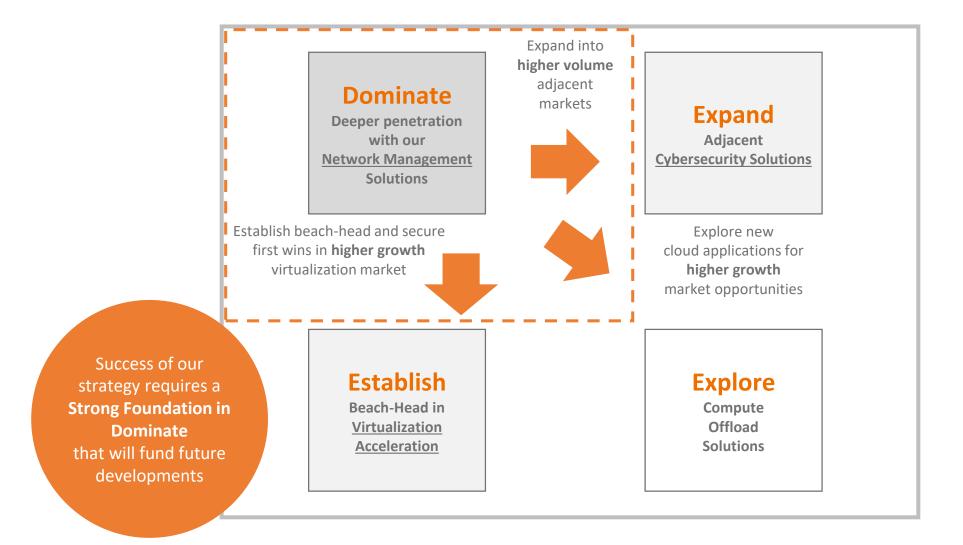
Be the global leader in Reconfigurable Computing Platforms
leveraging our deep expertise in FPGA software
helping companies of all sizes
accelerate application performance and secure their networks



We enhance open and standard servers
to boost and release valuable compute resources
with market leading FPGA software
on top of the best FPGA chipsets available

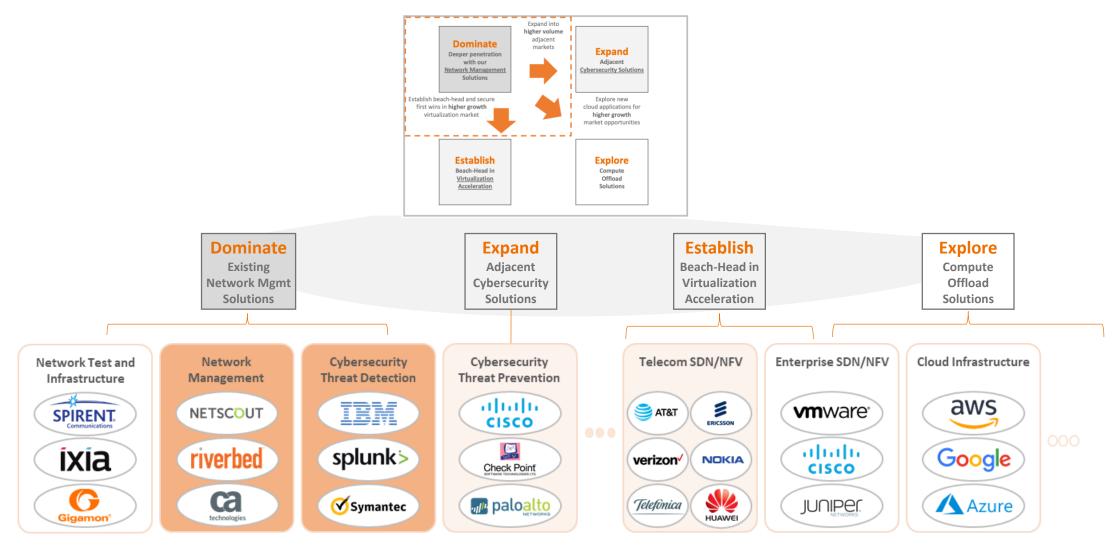


Key Areas of the Napatech strategy





Our Strategy Targets Immediate Opportunities





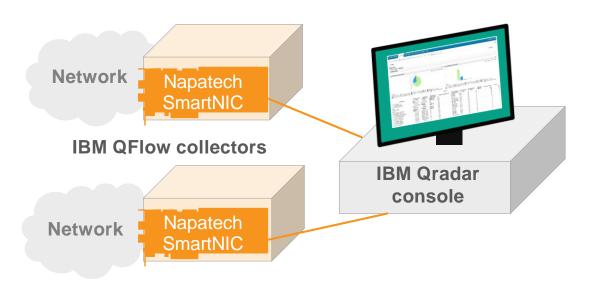
Cybersecurity and Network Management Application Acceleration



Neusoft

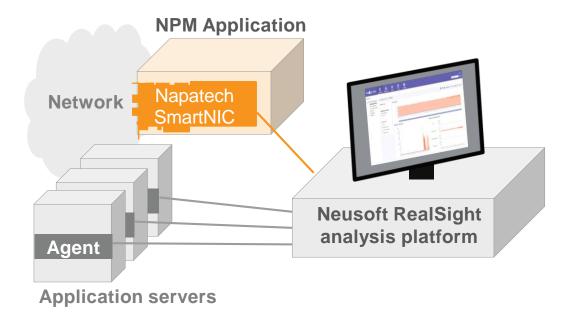
Guaranteed Data Capture for High-Speed Cybersecurity

- Doubles the performance of IBM solution with zero packet loss
- Ultra-fast extraction of critical data with deep insight



<u>Accelerated Network Performance Management (NPM)</u>

- Requirement to scale to millions of simultaneous users
- Acceleration and offload of data capture with low latency





Real World Case: Improved TCO for Cybersecurity Application



Custom Hardware

Proprietary hardware and software







Software Only

Standard server and open-source software



15 Gbps lossless



\$10k USD



Clustered to Perform

Multiple servers, opensource and load balancer



40 Gbps lossless



\$70k USD



Server with FPGA Acceleration

Standard Server, open-source and FPGA SmartNIC



40 Gbps lossless

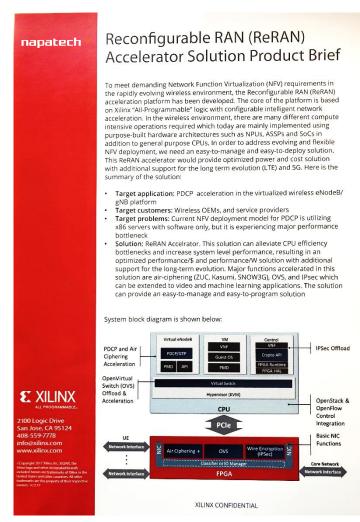


\$15k USD



Partnership with Intel and Xilinx

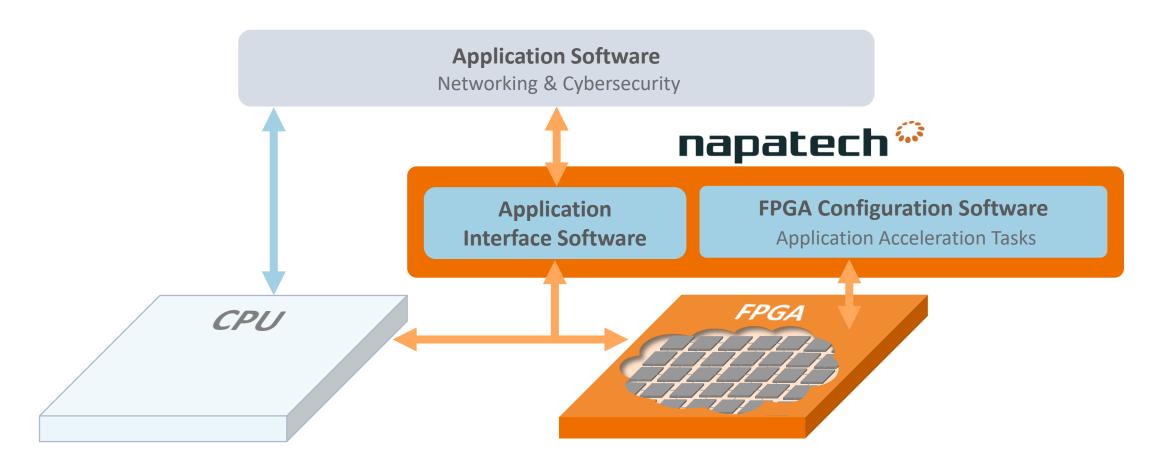




Napatech is the sole provider of networking
FPGA Configuration
Software on Intel & Xilinx
SmartNICs



Napatech Unique Value is in the API and FPGA Configuration Software



Napatech recognized as experts in FPGA Configuration Software for Networking and Cybersecurity application acceleration

