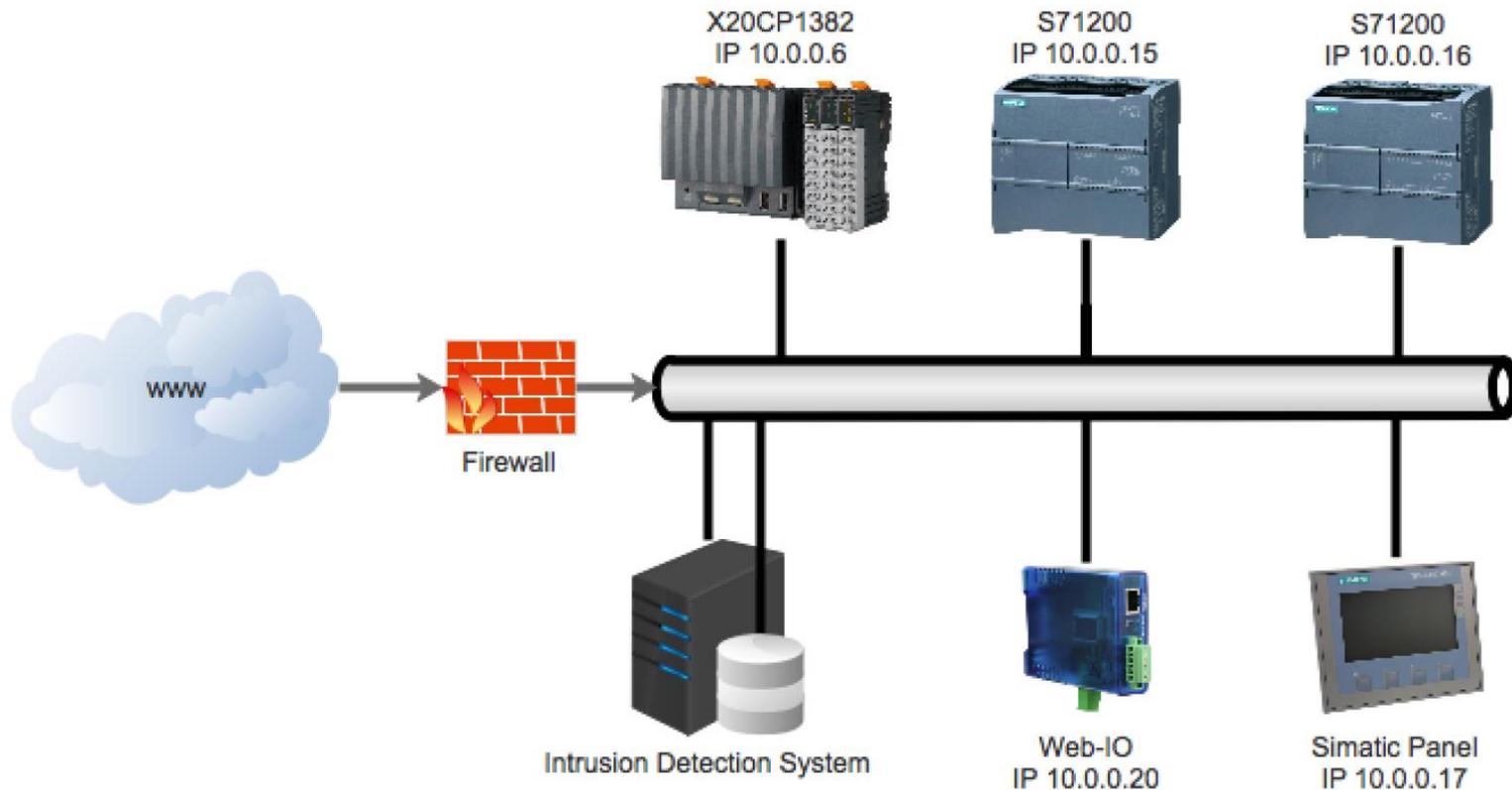
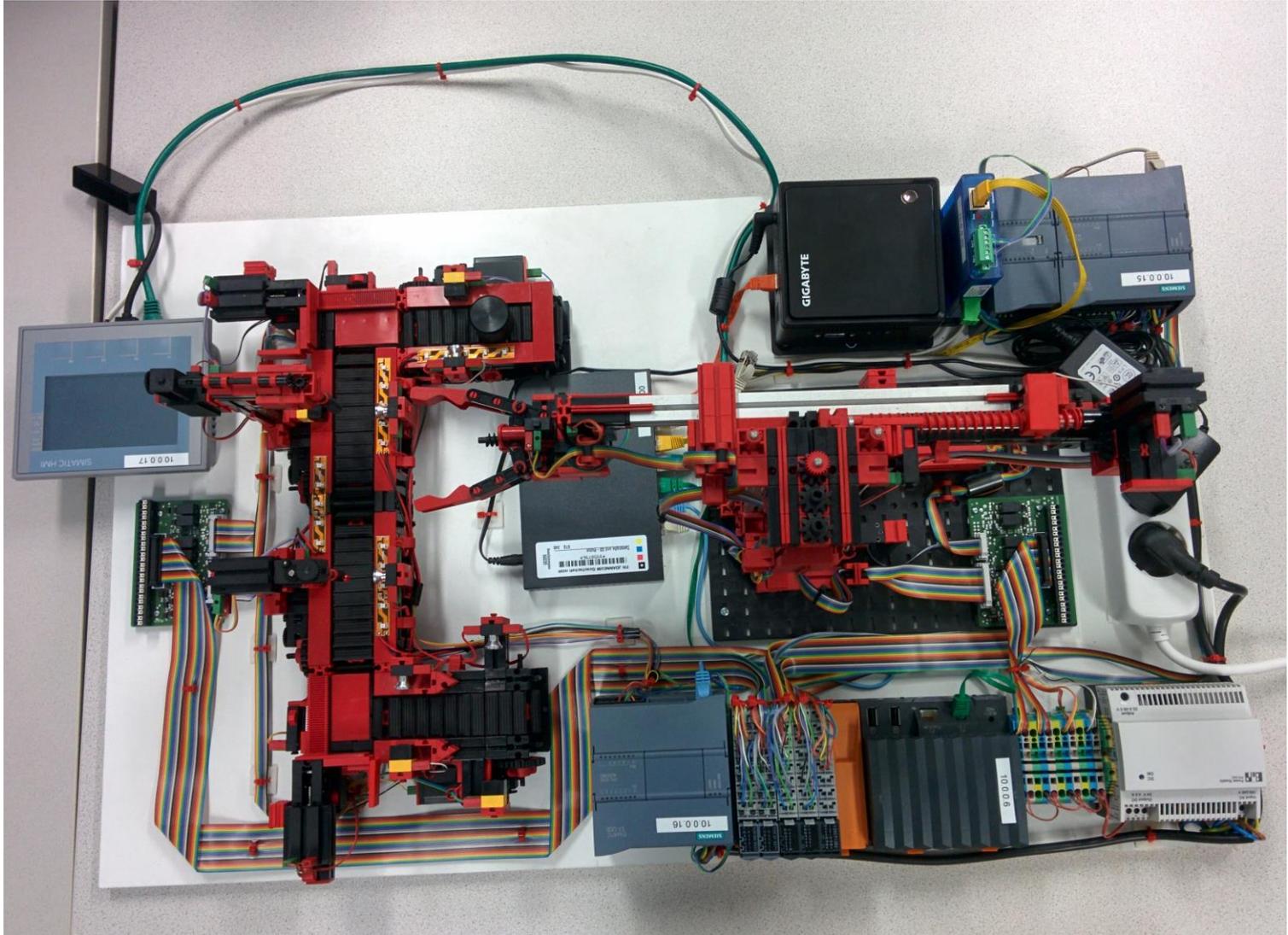


Cyber Security & Industrie 4.0

*I4.0 Round Table
Dr. Klaus Gebeshuber*

ICS Honeypot

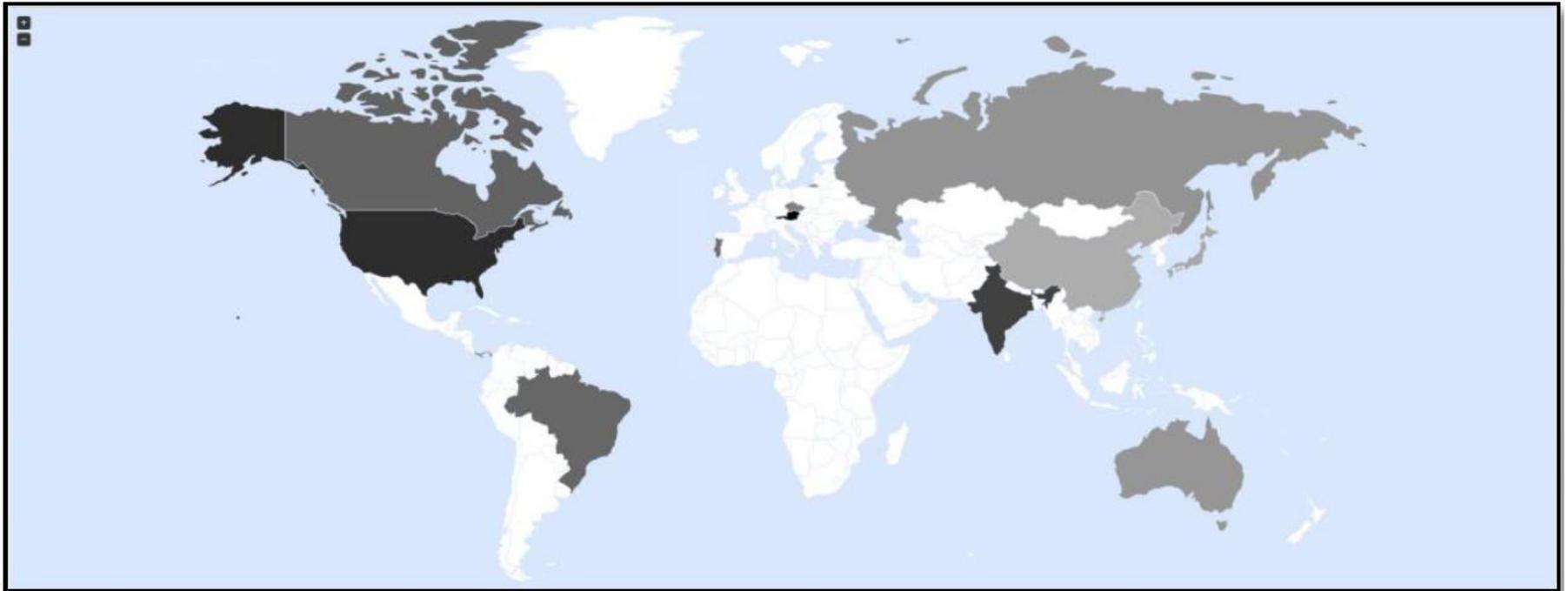




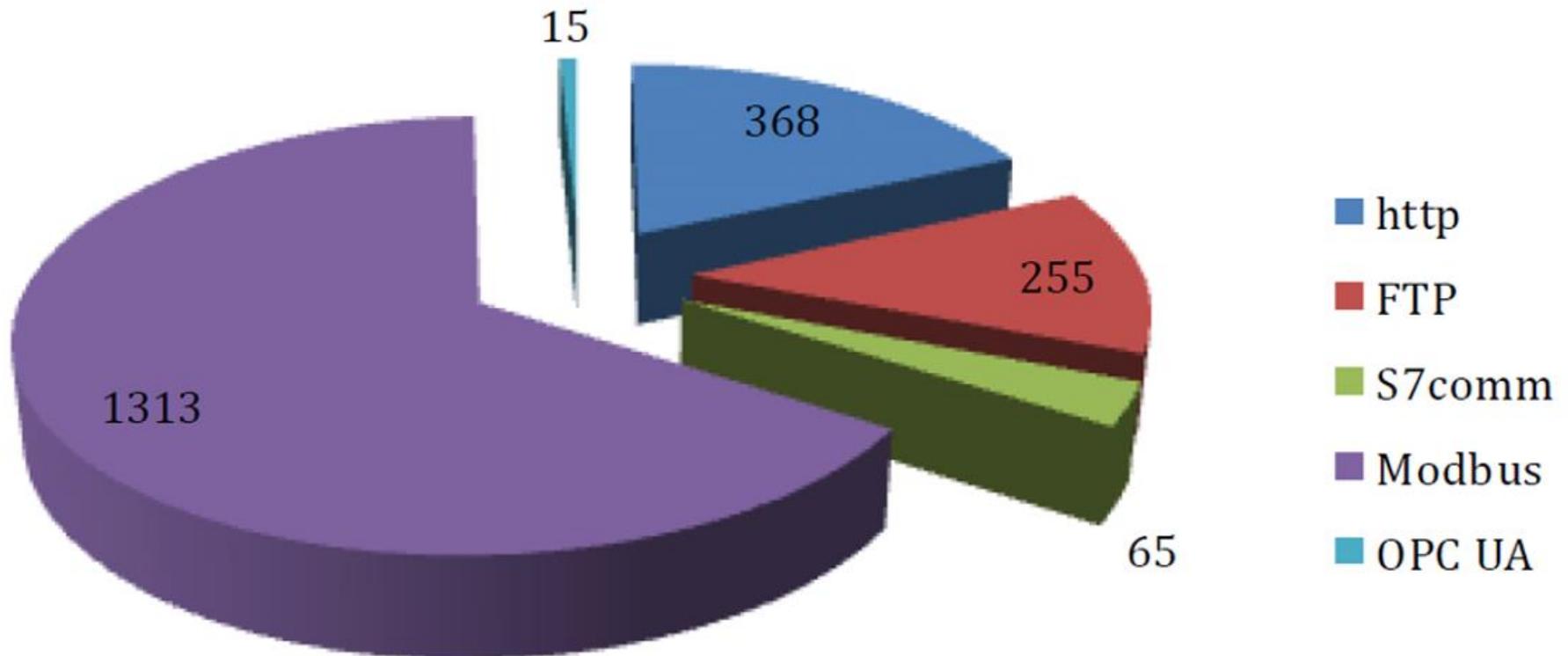
ICS Honeypot - Fazit

- 2 Monate Online
 - 3,8 Millionen Log Einträge
 - Weltweite Angriffe
 - 98 % automatisierte Angriffe
 - Top Angriffsquellen USA und Indien
 - Suche nach „Low hanging fruits“
-

Angriffsquellen



Angriffsversuche



Testen gängiger Passwörter

Username	Password
oracle	oracle
root	root
root	abc123
root	password
root	123456
root	admin
test	test

Suche nach industriellen Anlagen

SHODAN

Q
Explore
Enterprise Access
Contact Us

Exploits
Maps

TOTAL RESULTS

848

TOP COUNTRIES



Taiwan, Province of China	204
United States	94
Japan	80
China	76
Italy	59

TOP SERVICES

SNMP	412
Siemens S7	190
Modbus	141
60261	1
59934	1

TOP ORGANIZATIONS

Taiwan Fixed Network, Telco and Network Servi...	192
Open Computer Network	68
China Unicom Heilongjiang	43
Digital Ocean	33

RELATED TAGS: siemens s7

109.253.5.142
013 NetVision
Added on 2017-03-22 08:54:34 GMT
🇮🇱 Israel
Details

91.80.30.122
Vodafone Italia
Added on 2017-03-22 08:52:37 GMT
🇮🇹 Italy
Details

84.15.154.200
IN-84-15-154-200.bitemobile.it
Bite Lietuva
Added on 2017-03-22 08:42:34 GMT
🇱🇹 Lithuania
Details

144.217.208.203
ip203.ip-144-217-208.net
OVH Hosting
Added on 2017-03-22 08:30:14 GMT
🇨🇦 Canada, Beauharnois
Details

honeypot

Location designation of a module:
 Copyright: Original **Siemens** Equipment
 Module type: IM151-8 PN/DP CPU
 PLC name: Technodrome
 Module: v.0.0
 Plant identification: Mouser Factory
 OEM ID of a module:
 Module name: **Siemens**, SIMATIC, S7-200
 Serial number of module: 88111222

Empfehlungen

- Netztrennung Office vs. Produktion
- Security auf mehreren Ebenen
- Zusammenarbeit IT & OT
- Security Ausbildung IT & OT
- Security Awareness im Unternehmen
- Regelmäßige Sicherheitsüberprüfungen

Vielen Dank!